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Bryn Mawr College

CALENDAR

UNDERGRADUATE COURSES

ISSUE FOR THE SESSION OF

1949 · 1950

APRIL 1949

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FOREWORD

Bryn Mawr College was founded by Dr. Joseph Taylor of Burlington, New Jersey. During his lifetime the site of the College at Bryn Mawr, Pennsylvania, eleven miles west of Philadelphia, was purchased and the buildings were begun. At his death in January, 1880, he left the greater part of his estate for the maintenance of this institution of higher education for women. In 1880 the College was incorporated under the laws of the Commonwealth of Pennsylvania and was invested with the power to confer degrees. In 1884 Dr. James E. Rhoads was elected President of the College and Dr. M. Carey Thomas was elected Dean of the Faculty. Plans were then matured and academic appointments were made. In the autumn of 1885 the College began its first academic year. On the resignation of President Rhoads in 1893 Dean Thomas was elected to the presidency, an office she held till her retirement in 1922. President Marion Edwards Park succeeded President Thomas in 1922 and retired in 1942. President Katharine Elizabeth McBride took office on July 1, 1942.

The College believes in the value of small classes and limits the enrollment of undergraduate students to about five hundred and fifty and graduate students to about one hundred and fifty.

Bryn Mawr confers the degrees of Bachelor of Arts, Master of Arts, Master of Social Service, and Doctor of Philosophy.

Graduate studies are pursued in all fully organized departments of the College. For information consult the Calendar of Graduate Courses.

CALENDAR

1949-50

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MAY

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JUNE

COLLEGE CALENDAR
1949-50

1949 — FIRST SEMESTER

September 29. Halls of Residence open to the entering class at 8 A.M.
Registration of Freshmen
Advanced Standing Examinations begin
Deferred, condition and auditors' examinations begin

October 1. Graduate Center open to new graduate students at 9 A.M.
Registration of new graduate students
Deferred, condition and auditors' examinations end

2. Halls of Residence open to all students at 8 P.M.

3. Registration of students

4. Work of the 65th academic year begins at 8.45 A.M.

15. German examinations for undergraduates, M.A. and Ph.D. candidates

20. Advanced Standing Examinations end

*22. French examinations for undergraduates, M.A. and Ph.D. candidates

29. Spanish and Italian examinations for undergraduates and M.A. candidates
Statistics examinations for M.A. candidates

November 5. Hygiene examination

23. Thanksgiving holiday begins after last class

28. Thanksgiving holiday ends at 9 A.M.

December 16. Christmas vacation begins at 12.45 P.M.

1950

January 3. Christmas vacation ends at 9 A.M.

7. German examinations for Seniors conditioned, M.A. and Ph.D. candidates

*14. French examinations for Seniors conditioned, M.A. and Ph.D. candidates

20. Last day of lectures

21. Spanish and Italian examinations for Seniors conditioned and M.A. candidates
Statistics examinations for M.A. candidates

23. Collegiate examinations begin

February 4. Collegiate examinations end

SECOND SEMESTER

February 7. Work of the second semester begins at 9 A.M.

March 24. Spring vacation begins after last class

April 3. Spring vacation ends at 9 A.M.
Deferred examinations begin

8. Deferred examinations end

22. French examinations for undergraduates, Ph.D. candidates, and M.A. candidates for 1951

*29. Spanish and Italian examinations for undergraduates, Ph.D. candidates, and M.A. candidates for 1951

May 6. German examinations for undergraduates, Ph.D. candidates, and M.A. candidates for 1951

19. Last day of lectures

22. Collegiate examinations begin

June 2. Collegiate examinations end

4. Baccalaureate service

6. Conferring of degrees and close of 65th academic year

*Additional language examinations (Greek, Russian, etc.) will be scheduled during this period in relation to other examinations of the students concerned.

CORRESPONDENCE

The Post Office address of the College is Bryn Mawr College, Bryn Mawr, Pennsylvania.

Correspondence regarding the following subjects should be addressed as follows:

General interests of the College, to the President

General welfare of undergraduate students
Academic work of students
Health program
} to the Dean

Admission to the Graduate School, to the Dean of the Graduate School

Admission to the Carola Woerishoffer Department of the Graduate School, to the Director of the Carola Woerishoffer Department

Admission to the Undergraduate School
Entrance scholarships
Requests for catalogues
} to the Director of Admissions

Rooms in the Halls of Residence, to the Director of Halls

Payment of bills, to the Comptroller

Recommendations for positions and inquiries regarding students' self-help, to the Director of the Bureau of Recommendations

Regional scholarships and loan fund
Alumnæ activities
} to the Alumnæ Secretary

Prospective students are encouraged to secure information about the College from their local College Representatives (see list on pages 20-24).

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THE TRUSTEES OF BRYN MAWR COLLEGE

CHARLES J. RHOADS
President

THOMAS RAEBURN WHITE
FREDERIC H. STRAWBRIDGE
Vice-Presidents

J. HENRY SCATTERGOOD
Treasurer

AGNES BROWN LEACH[1]
Secretary

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THOMAS RAEBURN WHITE
FREDERIC H. STRAWBRIDGE
RICHARD MOTT GUMMERE
J. HENRY SCATTERGOOD
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MILLICENT CAREY MCINTOSH[2]
FRANCIS J. STOKES
J. EDGAR RHOADS
C. CANBY BALDERSTON
ELIZABETH GRAY VINING[3]
FREDERIC C. SHARPLESS
HENRY JOEL CADBURY

BOARD OF DIRECTORS

CHARLES J. RHOADS
President

CAROLINE MCCORMICK SLADE[4]
RICHARD MOTT GUMMERE
Vice-Presidents

J. HENRY SCATTERGOOD
Treasurer

AGNES BROWN LEACH[1]
Secretary

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AGNES BROWN LEACH[1]
MILLICENT CAREY MCINTOSH[2]
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ELIZABETH GRAY VINING[3]
FREDERIC C. SHARPLESS
HENRY JOEL CADBURY
KATHARINE ELIZABETH MCBRIDE
CAROLINE MCCORMICK SLADE[4]
JOSEPHINE YOUNG CASE[5]
ADELAIDE W. NEALL
ELEANOR LITTLE ALDRICH[6]
ELEANOR A. BLISS
ELEANOR NEWELL BURRY[7]
Alumnæ Director, 1948-49
MARJORIE MARTIN TOWNSEND[8]
Alumnæ Director, 1945-50
HELEN TREDWAY GRAHAM[9]
Alumnæ Director, 1946-51
JEAN T. PALMER
Alumnæ Director, 1947-52
HELEN HILL MILLER[10]
Alumnæ Director, 1948-53

MARION EDWARDS PARK, by invitation
President Emeritus of Bryn Mawr College
SERENA HAND SAVAGE,[11] by invitation
President of Alumnæ Association

1 Mrs. Henry Goddard Leach.
2 Mrs. Rustin McIntosh.
3 Mrs. Morgan Vining.
4 Mrs. F. Louis Slade.
5 Mrs. Everett N. Case.
6 Mrs. Talbot Aldrich.
7 Mrs. William Burry. Appointed 1948 to fill the unexpired term of Eleanor A. Bliss, *Alumnæ Director 1944-49.*
8 Mrs. Harold E. Townsend.
9 Mrs. Evarts Graham.
10 Mrs. Helen Hill Miller.
11 Mrs. William L. Savage.

Standing Committees of the Board of Directors, 1949

Executive Committee

Thomas Raeburn White
Chairman
Caroline McCormick Slade
Vice-Chairman
Charles J. Rhoads
J. Henry Scattergood
Agnes Brown Leach
J. Edgar Rhoads
Katharine Elizabeth McBride
Josephine Young Case
Adelaide W. Neall
Eleanor A. Bliss

Finance Committee

Charles J. Rhoads, *Chairman*
J. Henry Scattergood
Agnes Brown Leach
Caroline McCormick Slade
Eleanor Little Aldrich

Committee on Religious Life

Katharine Elizabeth McBride
Chairman
Millicent Carey McIntosh
Francis J. Stokes
Adelaide W. Neall
Henry Joel Cadbury

Committee on Buildings and Grounds

Francis J. Stokes, *Chairman*
Frederic H. Strawbridge
J. Edgar Rhoads
Katharine Elizabeth McBride
Eleanor A. Bliss
Marjorie Martin Townsend
Eleanor Newell Burry

Library Committee

Katharine Elizabeth McBride
Chairman
Richard Mott Gummere
Eleanor Little Aldrich
Helen Tredway Graham

Deanery Committee

Adelaide W. Neall, *Chairman*
Helen Tredway Graham, *Secretary*

Agnes Brown Leach
Millicent Carey McIntosh
Elizabeth Gray Vining
Katharine Elizabeth McBride
Caroline McCormick Slade
Josephine Young Case
Eleanor Little Aldrich
Eleanor A. Bliss
Eleanor Newell Burry
Marjorie Martin Townsend
Jean T. Palmer
Helen Hill Miller

COLLEGE ADMINISTRATION

Academic Year 1948-1949

President: Katharine Elizabeth McBride, Ph.D., LL.D., L.H.D.
Office: Taylor Hall.

Dean of the College: Dorothy Nepper Marshall, Ph.D.
Office: Taylor Hall.

Dean of the Graduate School: Lily Ross Taylor, Ph.D., Litt.D.
Office: The Library.

Dean of Freshmen and Director of Admissions:
Annie Leigh Broughton, M.A.
Office: Taylor Hall.

Assistant to the President: Margaret Tyler Paul, A.B.
Office: Taylor Hall.

Comptroller: Raymond G. Buckley
Office: Taylor Hall.

Field Secretary and Assistant to the Director of Admissions:
Doris Emerson, A.B.
Office: Taylor Hall.

Foreign Student Adviser: Martha M. Diez, M.A.

Halls, Director of, and Head Warden:
Charlotte Brandon Howe, M.A.
Office: Rockefeller Hall.

Librarian: Janet Margaret Agnew, B.L.S., M.A.
Office: The Library.

Physical Education, Director of: Irene A. Clayton, M.S.
Office: The Gymnasium.

Physical Education, Assistant Director of: Ethel M. Grant
Office: The Gymnasium.

Physician, College: Elizabeth Humeston, M.D.
Office: The Infirmary.

Physician, Assistant College: Isaac Sharpless, M.D.
Office: The Infirmary.

Psychiatrist, Consulting: Howard B. Smith, M.D.
Office: The Infirmary.

Public Relations, Director of: Clayton C. Adams.
Office: Taylor Hall.

Public Relations, Assistant to the Director of, in Charge of Publications: Margaret Simpson David, M.A.
Office: Taylor Hall.

Recommendations, Director of Bureau of:
Louise Ffrost Hodges Crenshaw, A.B.
Office: Taylor Hall.

Recommendations, Adviser in the Bureau of:
Helen Trevor Vietor, A.B.
Office: Taylor Hall.

Recorder of the College: Marian Carter Anderson, B.S.
Office: Taylor Hall.

Superintendent: Horace T. Smedley
Office: Rockefeller Hall.

Treasurer, Assistant to the: Sandy Lee Hurst.
Office: Taylor Hall.

Warden of Denbigh Hall: Sally Barclay Stevenson, A.B.

Warden of Merion Hall: Frances Crofts, A.B.

Warden of Pembroke Hall East: Anne English Colcord, A.B.

Warden of Pembroke Hall West:
Becky Burns Shuster, A.B., Semester I
Alice Mary Litwinchuk, M.A., Semester II

Warden of Radnor Hall: Pauline Rose Utzinger, A.B.

Warden of Rhoads Hall North: Rebecca Cooper Wood, A.B.

Warden of Rhoads Hall South: Lois Lenoir Post, A.B.

Warden of Rockefeller Hall: Ruth Elizabeth Grun, A.B.

Warden of Spanish House (Denbigh): Margarita M. Esteves, M.A.

Warden of French House (Wyndham): Jean Theis, A.B.

Senior Resident of Graduate Center: Louisa Shannon DuBose, A.B.

FACULTY AND STAFF

ACADEMIC YEAR, 1948-49

KATHARINE ELIZABETH MCBRIDE, Ph.D., LL.D., L.H.D., *President of the College.*

MARION EDWARDS PARK, Ph.D., LL.D., *President Emeritus of the College.*

DOROTHY NEPPER MARSHALL, Ph.D., *Dean of the College.*

LILY ROSS TAYLOR, Ph.D., Litt. D., *Dean of the Graduate School and Professor of Latin.*

ANNIE LEIGH BROUGHTON, M.A., *Dean of Freshmen and Director of Admissions.*

WILMER CAVE WRIGHT, Ph.D., *Professor Emeritus of Greek.*

REGINA KATHARINE CRANDALL, Ph.D., *Professor Emeritus of English Composition.*

SUSAN MYRA KINGSBURY, Ph.D., LL.D., *Professor Emeritus of Social Economy.*

GRACE MEAD ANDRUS DE LAGUNA, Ph.D., *Professor Emeritus of Philosophy.*

CHARLES GHEQUIERE FENWICK, Ph.D., LL.D., *Professor Emeritus of Political Science.*

EUNICE MORGAN SCHENCK, Ph.D., *Professor Emeritus of French.*

ANNA PELL WHEELER, Ph.D., Sc.D., *Professor Emeritus of Mathematics.*

SAMUEL CLAGGETT CHEW, Ph.D.,[1] *Mary E. Garrett Alumnæ Professor of English Literature and Holder of the Mary Hill Swope Grant.*

RHYS CARPENTER, Ph.D., Litt.D., *Professor of Classical Archæology and Holder of a Julius and Sarah Goldman Grant.*

JAMES LLEWELLYN CRENSHAW, Ph.D., *Professor of Physical Chemistry.*

HELEN TAFT MANNING, Ph.D., LL.D.,[2] *Marjorie Walter Goodhart Professor of History.*

MARY HAMILTON SWINDLER, Ph.D., LL.D., *Professor of Classical Archæology.*

HORACE ALWYNE, F.R.M.C.M., *Alice Carter Dickerman Professor of Music and Director of the Department of Music.*

[1] On leave of absence for Semester II, 1948-49.
[2] On leave of absence for Semester 1, 1948-49.

ROGER HEWES WELLS Ph.D., *Professor of Political Science.*

JOSEPH E. GILLET, Ph.D.,[1] *Professor of Spanish.*

MAX DIEZ, Ph.D., *Professor of German Literature.*

GRACE FRANK, A.B., *Non-resident Professor of Old French Philology.*

STEPHEN JOSEPH HERBEN, B.Litt., Ph.D.,[2] *Professor of English Philology.*

FRITZ MEZGER, Ph.D., *Professor of Germanic Philology.*

THOMAS ROBERT SHANNON BROUGHTON, Ph.D., *Professor of Latin.*

HARRY HELSON, Ph.D.,[1] *Professor of Experimental Psychology.*

EDWARD H. WATSON, Ph.D., *Professor of Geology.*

MILTON CHARLES NAHM, B.Litt., Ph.D., *Professor of Philosophy.*

WALTER C. MICHELS, Ph.D., *Marion Reilly Professor of Physics.*

CORNELIA LYNDE MEIGS, A.B., *Margaret Kingsland Haskell Professor of English Composition.*

MARGARET GILMAN, Ph.D., *Professor of French.*

LINCOLN DRYDEN, Ph.D., *Professor of Geology.*

FLORENCE PETERSON, M.A., *Professor of Social Economy and Director of the Graduate Department of Social Economy and Social Research.*

CAROLINE ROBBINS, Ph.D., *Professor of History.*

RICHMOND LATTIMORE, Ph.D., *Paul Shorey Professor of Greek.*

K. LAURENCE STAPLETON, A.B.,[3] *Professor of English and of Political Theory.*

ALEXANDER COBURN SOPER, M.F.A., Ph.D., *Professor of History of Art.*

PAUL SCHRECKER, Ph.D., *Visiting Professor and Professor-elect of Philosophy on a joint appointment by Bryn Mawr College and Swarthmore College.*

MARY SUMMERFIELD GARDINER, Ph.D., *Associate Professor and Professor-elect of Biology.*

GERMAINE BRÉE, *Agrégée de l'Université,*[4] *Associate Professor and Professor-elect of French.*

MILDRED BENEDICT NORTHROP, Ph.D.,[4] *Associate Professor and Professor-elect of Economics.*

FELIX GILBERT, Ph.D., *Associate Professor and Professor-elect of History.*

PEDRO SALINAS, Ph.D., Litt.D., *Visiting Professor of Spanish.*

[1] On leave of absence for the year 1948-49.
[2] On leave of absence for Semester II, 1948-49.
[3] On leave of absence for Semester I, 1948-49.
[4] On leave of absence for the year 1949-50.

MARGUERITE LEHR, Ph.D.,[1] *Associate Professor of Mathematics.*

ANGELINE HELEN LOGRASSO, Ph.D., *Associate Professor of Italian.*

MYRA RICHARDS JESSEN, Ph.D., *Associate Professor of German.*

DOROTHY WYCKOFF, Ph.D., *Associate Professor of Geology.*

BERTHE MARIE MARTI, Ph.D., *Associate Professor of Latin and French.*

RICHARD BERNHEIMER, Ph.D., *Associate Professor of History of Art.*

MARY KATHARINE WOODWORTH, Ph.D.,[2] *Associate Professor of English.*

ARTHUR COLBY SPRAGUE, Ph.D., *Associate Professor of English Literature.*

HERTHA KRAUS, Ph.D., *Carola Woerishoffer Associate Professor of Social Economy.*

ARTHUR LINDO PATTERSON, Ph.D.,[3] *Associate Professor of Physics.*

JOSEPH CURTIS SLOANE, JR., M.F.A.,[3] *Associate Professor of History of Art.*

JOHN CHESTER MILLER, Ph.D.,[2] *Associate Professor of History.*

JOHN CORNING OXTOBY, M.A., *Associate Professor of Mathematics.*

ISABEL SCRIBNER STEARNS, Ph.D., *Associate Professor of Philosophy.*

AGNES KIRSOPP MICHELS, Ph.D., *Associate Professor of Latin.*

L. JOE BERRY, Ph.D.,[3] *Associate Professor of Biology.*

MARSHALL DEMOTTE GATES, JR., Ph.D., *Associate Professor of Chemistry.*

JANE MARION OPPENHEIMER, Ph.D., *Associate Professor of Biology.*

ERNST BERLINER, Ph.D., *Associate Professor of Chemistry.*

JOSHUA C. HUBBARD, Ph.D., *Associate Professor of Economics.*

FREDERICK W. THON, M.F.A., *Associate Professor of the Drama.*

MAGDA B. ARNOLD, Ph.D., *Associate Professor of Psychology.*

FREDERICA DE LAGUNA, Ph.D., *Assistant Professor and Associate Professor-elect of Anthropology.*

RACHEL DUNAWAY COX, Ph.D., *Assistant Professor and Associate Professor-elect of Education and Psychology.*

BETTINA LINN, M.A., *Assistant Professor and Associate Professor-elect of English.*

GEORGE P. CUTTINO, D.Phil., *Assistant Professor and Associate Professor-elect of History on a joint appointment by Bryn Mawr College and Swarthmore College.*

[1] On leave of absence for Semester II, 1949-50.
[2] On leave of absence for Semester II, 1948-49.
[3] On leave of absence for the year 1948-49.

MABEL LOUISE LANG, Ph.D., *Assistant Professor of Greek.*

FRANCES DE GRAAFF, Ph.D., *Assistant Professor of Russian on a joint appointment by Bryn Mawr College and Haverford College.*

MANUEL ALCALÁ, Litt.D., *Assistant Professor of Spanish.*

ROBERT L. GOODALE, A.B., B.Mus., A.A.G.O., *Assistant Professor of Music.*

LINDLEY J. BURTON, Ph.D., *Assistant Professor of Mathematics.*

ROSALIE C. HOYT, Ph.D., *Assistant Professor of Physics.*

PETER BACHRACH, M.A., *Assistant Professor of Political Science.*

WILLIAM E. NORRIS, JR., Ph.D., *Assistant Professor of Biology.*

JACQUES VAN DEN HEUVEL, *Agrégé de l'Université, Assistant Professor of French.*

HUGUES LEBLANC, Ph.D., *Instructor and Assistant Professor-elect of Philosophy.*

JOE KENNEDY ADAMS, Ph.D., *Assistant Professor-elect of Psychology.*

HAROLD KWART, Ph.D., *Assistant Professor-elect of Chemistry.*

MACHTELD JOHANNA MELLINK, Ph.D., *Assistant Professor-elect of Archæology.*

JOHN R. PRUETT, M.S.,[1] *Assistant Professor-elect of Physics.*

CLAIR WILCOX, Ph.D., *Anna Howard Shaw Lecturer, Joseph Wharton Professor of Politics and Economics at Swarthmore College.*

MARY MARGARET ZENDER, M.A., M.S.S., *Lecturer in Social Economy and Supervisor of Social Casework.*

MURIEL JANET GAYFORD, M.S.P.A., *Lecturer in Medical Social Case Work.*

KATHERINE D. K. LOWER, Ph.D., *Lecturer in Social Economy.*

CHARLES WILBUR UFFORD, Ph.D., *Lecturer in Physics.*

JEANNE DEBOW BRUGGER, M.A., *Lecturer in Psychology.*

OTTO POLLAK, Ph.D., *Lecturer in Sociology, Semester II.*

JACQUES GUICHARNAUD, *Agrégé de l'Université, Lecturer-elect in French.*

MAXINE S. WOOLSTON, Ph.D., *Lecturer-elect in Economics.*

LEON B. SAUL, M.D., *Special Lecturer in Psychiatric Information, Semester I.*

M. ROYDEN C. ASTLEY, M.D., *Special Lecturer in Psychiatric Information, Semester II.*

WILLIAM A. JEFFERS, M.D., *Special Lecturer in Social Economy.*

FREDERICK JONES, Ph.D., *Visiting Lecturer in English, Semester II.*

JOHN DAVID REED, Ph.D., *Visiting Lecturer in Psychology, Semester II.*

MARY ISABELLE O'SULLIVAN, Ph.D., *Visiting Lecturer in English, Semester II.*

[1] Ph.D. to be conferred August, 1949.

JOSÉ MARIA FERRATER MORA, *Licenciado, Lecturer-elect in Spanish.*

EDITH HAMILTON LANMAN, M.A., *Instructor in Chemistry.*

MARTHA M. DIEZ, M.A., *Instructor in German.*

MILDRED TONGE BROWN, Ph.D., *Instructor in English.*

HELEN HAZARD BACON, A.B., *Instructor in Greek.*

JOANNE LOEWE NEEL, M.A., *Instructor in History.*

KERNAN BRADLEY WHITWORTH, M.A., *Instructor in French.*

MURRAY GORDON DE JERSEY, M.A., *Instructor in Psychology.*

DEBORAH SANDS AUSTIN, M.A., *Instructor in English.*

JOY C. LEVY, M.A., *Instructor in History of Art.*

MARGARITA ESTEVES, M.A., *Instructor in Spanish.*

PATRICIA ANNE TAGGART, A.B., *Instructor in English.*

CHARLOTTE SCHNAKENBERG, A.B., *Instructor in English.*

HEINZ POLITZER, *Instructor in German.*

DIANA TATE-SMITH, A.B., *Instructor in English.*

MARIE-LOUISE RALPH TURNER, A.B., *Instructor in Spanish, Semester I.*

JOSÉ MIGUEL GONZALEZ, A.B., *Instructor in Spanish, Semester II.*

JOHN ASHMEAD, M.A., *Instructor in English, Semester II.*

FRANCES MATTHAI, A.B., *Instructor in English, Semester II, and Instructor-elect.*

ISABEL GAMBLE, M.A., *Instructor-elect in English.*

CYNTHIA GEE, B.A., *Instructor-elect in Greek.*

HELEN MANNING HUNTER, M.A., *Instructor-elect in Statistics.*

EDWARD P. MORRIS, A.B., *Instructor-elect in French.*

ELIZABETH BOOTH, A.B., *Reader in Music.*

JANE HADAS, A.B., *Reader in Mathematics.*

EDITH ABELMANN LEOPOLD, M.A., *Reader in Politics.*

EMMA CADBURY BURTON, A.B., *Reader in Economics, Semester I.*

HILDEGARDE HUNT VON LAUE, A.B., *Reader in History.*

RUTH MURRAY FANSLER, A.B., *Reader-elect in Mathematics.*

RHODA GILMAN, A.B., *Reader-elect in Economics and Politics.*

HENRIETTA HUFF LANDES, A.B., *Curator of Slides and Photographs.*

FRANCES BONDHUS BERLINER, Ph.D., *Demonstrator in Chemistry.*

BARBARA ANN JOUBERT PALM, A.B., *Demonstrator in Physics.*

CHI SHANG CH'IH, M.A., *Demonstrator in Geology.*

EVELYN A. SCLUFER, A.B., *Demonstrator in Biology.*

MARY R. DAY, B.S., *Demonstrator in Biology.*

EILEEN BEIER MAHER, M.A., *Demonstrator in Psychology.*

RICHARD C. BARBERA, B.S., *Demonstrator in Physics.*

GRACE PETERS, A.B., *Demonstrator in Chemistry.*

ELIZABETH B. KALTENTHALER, A.B., *Demonstrator in Geology.*

MIRIAM F. CLARKE MADISON, Ph.D., *Demonstrator in Biology.*

ELIZABETH A. FARRELLY,[1] *Demonstrator-elect in Physics.*

ISABEL KELLERS, A.B., *Demonstrator-elect in Biology.*

JANE WALLACE, M.A., *Demonstrator-elect in Geology.*

JOAN FULTON WHITE, A.B., *Demonstrator-elect in Biology.*

REBECCA COOPER WOOD, A.B., *Assistant in Classical Archæology and Warden of Rhoads North.*

LOUISA SHANNON DUBOSE, A.B., *Assistant in Philosophy.*

LUCILLE FEIDEN, A.B., *Assistant in History of Art.*

DOROTHY LEADBEATER, M.A., *Assistant in History of Art.*

CORLETTE ROSSITER, M.A., *Assistant in History of Art.*

MARIANNE WINTER MARTIN, M.A., *Assistant-elect in History of Art.*

HENDERSON WOLFE, A.B., *Assistant-elect in History of Art.*

ELAINE FRANCE, A.B., *Assistant in the Child Study Institute.*

ANNE HOWELL MARTIN, A.B.,[2] *Assistant-elect in Philosophy.*

WILLIAM REESE, Ph.D., *Director of Orchestra and Instrumental Ensemble Groups.*

KENDALL HOPKINS, *Visiting Artist.*

LIBRARY

JANET MARGARET AGNEW, B.L.S., M.A., *Librarian.*

GRETCHEN DE WITT, A.B., B.S., *Circulation and Reference Librarian.*

JANE WALKER, B.S., *Head Cataloguer.*

ETHEL W. WHETSTONE, A.B., A.B. in L.S., *Library Assistant in the Quita Woodward Wing.*

MARGARET M. FARRELL, A.B., B.S. in L.S., *Assistant Cataloguer.*

ELEANOR R. ENGLEHART, A.B., B.S. in L.S., *Assistant to the Circulation Librarian.*

HALLS OF RESIDENCE

CHARLOTTE BRANDON HOWE, M.A., *Director of Halls and Head Warden.*

SALLY B. STEVENSON, A.B., *Warden of Denbigh Hall.*

JEAN THEIS, A.B., *Warden of the French House, Wyndham.*

[1] Sc.B. to be conferred June, 1949.

[2] M.A. to be conferred June, 1949.

Louisa Shannon DuBose, A.B., *Senior Resident of the Graduate Center.*

Frances Crofts, A.B., *Warden of Merion Hall.*

Anne E. Colcord, A.B., *Warden of Pembroke East.*

Becky Burns Shuster, A.B., *Warden of Pembroke West, Semester I.*

Alice Mary Litwinchuk, M.A., *Warden of Pembroke West, Semester II.*

Pauline R. Utzinger, A.B., *Warden of Radnor Hall.*

Rebecca Cooper Wood, A.B., *Warden of Rhoads North.*

Lois Lenoir Post, A.B., *Warden of Rhoads South.*

Ruth E. Grun, A.B., *Warden of Rockefeller Hall.*

Margarita M. Esteves, M.A., *Warden of the Spanish House, Denbigh Hall.*

Health

The President and Deans of the College, *ex officio.*

Elizabeth Humeston, M.D., *College Physician.*

Frederic C. Sharpless, M.D., *General Consultant.*

Isaac Sharpless, M.D., *Assistant College Physician.*

Howard B. Smith, M.D., *Consulting Psychiatrist.*

Irene A. Clayton, M.S., *Director of Physical Education.*

Physical Education

Irene A. Clayton, M.S., *Director of Physical Education.*

Ethel M. Grant, *Assistant Director of Physical Education.*

Janet A. Yeager, *Instructor in Physical Education.*

Emelia-Louise Jepson Kilby, M.A., *Instructor in Physical Education.*

Business Administration

Charlotte Brandon Howe, M.A., *Director of Halls.*

Sandy Lee Hurst, *Assistant to the Treasurer.*

Raymond G. Buckley, *Comptroller.*

Horace T. Smedley, *Superintendent.*

Josephine Falcone McCusker, *Purchasing Agent and Manager of the Business Office.*

Marjorie E. Bacheller, B.S., *Dietitian.*

William J. Burk, *Fire Chief.*

COLLEGE REPRESENTATIVES

The following Alumnæ of Bryn Mawr College have been appointed representatives of the College in the cities in which they live and will be glad at any time to answer questions about the College:

Alabama

BIRMINGHAM—Miss Louisa I. Gibson, *President of the Bryn Mawr Club of Birmingham,* Box 379, Route 1, Gardendale.

Arkansas

HOT SPRINGS—Mrs. James H. Chesnutt, *State Chairman of the Alumnæ Association,* 2412 Central Avenue.

California

PASADENA—Mrs. Calvin Goodrich, *President of the Bryn Mawr Club of Southern California,* 711½ Park Ave., South Pasadena.

Mrs. Arthur S. Wiley, *Southern California Scholarships Chairman,* 1661 La Cresta Drive.

SAN FRANCISCO—Mrs. Richard L. Sloss, *President of the Bryn Mawr Club of Northern California,* 90 Sea Cliff Avenue, San Francisco 21.

Mrs. Colis Mitchum, *Northern California Regional Scholarships Chairman,* 2131 Jackson Street, San Francisco 15.

Mrs. Farwell Hill, Ross.

SAN MARINO—Mrs. C. Pardee Erdman, *District Councillor of the Alumnæ Association,* 1050 Rosalind Road, San Marino 5.

Colorado

DENVER—Mrs. Harry E. Bellamy, *State Chairman of the Alumnæ Association,* 1174 Race Street, Denver 6.

Connecticut

NEW HAVEN—Mrs. Charles McLean Andrews, 424 St. Ronan Street, New Haven 11.

Mrs. George H. Hamilton, *President of the Bryn Mawr Club of New Haven,* 178 E. Rock Road, New Haven 11.

FAIRFIELD—Mrs. Howard V. Phillips, *District Councillor of the Alumnæ Association,* 1211 Stillson Road.

Delaware

WILMINGTON—Mrs. Benjamin F. Schlimme, 4408 Lowell Road, Wilmington 220.

District of Columbia

WASHINGTON—Mrs. Henry L. Abbott, *Washington Regional Scholarships Chairman,* 2205 California St., Washington 8.

Mrs. Mark P. Hyde, *President of the Bryn Mawr Club of Washington,* 3736 Kanawha St., N. W., Washington 15.

Mrs. Helen Hill Miller, *Alumnæ Director of Bryn Mawr College,* Room 1098, National Press Bldg., Washington 4, D. C.

Florida

Tallahassee—Mrs. Alfred B. Maclay, Route 1, Box 22-C.

Miami—Mrs. Dexter French, Box 27, Coconut Grove Station.

Georgia

Augusta—Mrs. Landon Thomas, *State Chairman of the Alumnæ Association,* 2226 Pickens Road.

Illinois

Chicago—Mrs. Noel L. Flint, *President of the Bryn Mawr Club of Chicago,* 40 W. Schiller Street.

Mrs. Frank Fowle, Jr., *Chairman, Regional Scholarships Committee for District V,* 647 Spruce St., Winnetka.

Mrs. William B. Wartman, *Co-Chairman, Regional Scholarships Committee for District V,* 460 Ash St., Winnetka.

Mrs. Nathaniel Blatchford, *District Councillor of the Alumnæ Association,* 1057 Eastwood Road, Glencoe.

Mrs. William Burry, *Alumnæ Director of Bryn Mawr College,* 909 Elm Tree Road, Lake Forest.

Mrs. William G. Hibbard, 840 Willow Road, Winnetka.

Indiana

Indianapolis—Mrs. Harley W. Rhodehamel, Jr., *President of the Bryn Mawr Club of Indiana,* 710 Nottingham Court, Indianapolis 44.

Kansas

Wichita—Mrs. Cecil A. Clarke, *State Chairman of the Alumnæ Association,* 115 North Fountain Avenue.

Kentucky

Louisville—Mrs. C. S. Blakely, *Chairman, Regional Scholarships Committee for the South,* Rt. 6, Brownsboro Road.

Maryland

Baltimore—Mrs. Glen M. Clarke, *President of the Bryn Mawr Club of Baltimore,* Preston Apts.

Dr. Eleanor A. Bliss, *Director of Bryn Mawr College,* 1026 North Calvert Street, Baltimore 2.

Mrs. Tenney Frank, *Baltimore Regional Scholarships Chairman,* 110 Elmhurst Street, Baltimore 10.

Towson—Miss Elizabeth Baer, Towson 4.

Massachusetts

Boston—Mrs. Talbot Aldrich, *Director of Bryn Mawr College and New England Regional Scholarships Chairman,* 59 Mount Vernon Street, Boston 8.

Mrs. C. Padgett Hodson, *President of the Bryn Mawr Club of Boston,* 380 Beacon St., Boston 16.

Michigan

DETROIT—Mrs. James F. Graves, *Chairman of the Alumnæ Organization of Michigan,* 63 Cambridge Road, Grosse Pointe Farms 30.

Minnesota

MINNEAPOLIS—Mrs. Lyndon M. King, 2412 West 24th Street, Minneapolis 5.

Missouri

FLORISSANT—Mrs. Evarts A. Graham, *Alumnæ Director of Bryn Mawr College,* Old Jamestown Road.

ST. LOUIS—Mrs. Charlton MacVeagh, *President of the Bryn Mawr Club of St. Louis,* 425 Oakwood Avenue, Webster Groves 19.

Mrs. Warren Shapleigh, *District Councillor of the Alumnæ Association,* R.R. 13, Kirkwood 22.

Nebraska

OMAHA—Miss Marie C. Dixon, *State Chairman of the Alumnæ Association,* 507 South 38th Street, Omaha 5.

New Jersey

MONTCLAIR—Mrs. Raymond H. Carter, *President of the Bryn Mawr Club of Montclair,* 173 North Mountain Avenue.

MORRISTOWN—Mrs. William L. Savage, *President of the Alumnæ Association of Bryn Mawr College,* 46 Macculloch Avenue.

PRINCETON—Mrs. John H. Curtis, *President of the Bryn Mawr Club of Princeton,* R.R. 2, Hillside Road.

SHORT HILLS—Mrs. William H. Hardie, *Regional Scholarships Chairman, Northern New Jersey,* 7 Chestnut Place.

New Mexico

SANTA FÉ—Mrs. Wheaton Augur, P. O. Box 884.

New York

ALBANY—Mrs. Noel S. Bennett, Jr., *President of the Bryn Mawr Club,* 544 Providence Street, Albany 3.

HAMILTON—Mrs. Everett Case, *Director of Bryn Mawr College,* Colgate University.

NEW YORK—Miss Ruth J. Davy, *President of the Bryn Mawr Club of New York City,* 20 E. 35th Street, New York 16.

Mrs. Learned Hand, 142 East 65th Street, New York 21.

Mrs. Rustin McIntosh, *Trustee and Director of Bryn Mawr College,* 514 East 87th Street, New York 28.

Miss Jean T. Palmer, *Alumnæ Director of Bryn Mawr College,* Butler Hall, Morningside Drive, New York 27.

Mrs. F. Louis Slade, *Vice-President of the Board of Directors of Bryn Mawr College,* 49 East 67th Street, New York 21.

Mrs. Theodore Smith-Miller, *Regional Scholarships Chairman for New York,* 235 E. 72nd Street, New York 21.

Mrs. Thomas Thacher, *District Councillor of the Alumnæ Association,* 443 East 84th Street, New York 28.

Pelham Manor—Mrs. Peter A. H. Voorhis, *Chairman of the Westchester and Fairfield Group of Bryn Mawr Alumnæ,* 416 Fowler Ave.

Rochester—Mrs. Richard C. Fowler, *Chairman of the Alumnæ Group of Rochester,* 3848 East Ave., Rochester 10.

North Carolina

Asheville—Mrs. George M. Stephens, *President of the Bryn Mawr Club of Asheville,* 4 Hilltop Road, Biltmore Forest.

Durham—Mrs. David St. Pierre DuBose, *District Councillor of the Alumnæ Association,* P. O. Box 310.

Ohio

Cincinnati—Mrs. Bleecker Marquette, *President of the Bryn Mawr Club of Cincinnati,* Glendale.

Cleveland—Mrs. John Grant, Jr., *President of the Bryn Mawr Club of Cleveland,* 1663 Richmond, South Euclid 21.

Mrs. James W. Osborn, *District Councillor of the Alumnæ Association* and *Regional Scholarships Chairman for District IV,* 1775 Radnor Road, Cleveland 18.

Mrs. George Bickford, *Co-Chairman, Regional Scholarships Committee for District IV,* 2247 Chestnut Hill Drive, Cleveland 6.

Columbus—Mrs. Webb I. Vorys, *Chairman of the Columbus Alumnæ Group,* "Clifftop," Blacklick.

Pennsylvania

Philadelphia—Miss Adelaide W. Neall, *Director of Bryn Mawr College,* 425 Roumfort Road, Philadelphia 19.

Mrs. Charles W. David, *President of the Bryn Mawr Club of Philadelphia,* 13 Arthur Road, Rosemont, Pa.

Mrs. Samuel H. Paul, 540 East Graver's Lane, Philadelphia 18.

Pittsburgh—Mrs. Charles B. Nash, *President of the Bryn Mawr Club of Pittsburgh,* 4136 Bigelow Boulevard, Pittsburgh 13.

Miss Sara F. Ellis, *Chairman, Western Pennsylvania Regional Scholarships Committee,* 340 South Highland Avenue, Pittsburgh 6.

Rhode Island

Providence—Mrs. Edward G. Lund, *President of the Bryn Mawr Club of Providence,* Providence Country Day School, East Providence 4.

South Carolina

Columbia—Miss Mary K. Boyd, *State Chairman of the Alumnæ Association,* 1708 Green Street.

Tennessee

CHATTANOOGA—Mrs. Glenn R. Kleinau, *President of the Chattanooga-Sewanee Bryn Mawr Club,* 2006 McCallie Avenue, Chattanooga 4.

NASHVILLE—Miss Martha J. Lindsey, *President of the Nashville Bryn Mawr Club,* 201 24th Avenue, South, Nashville 5.

Texas

EL PASO—Miss Mary S. Goggin, *District Councillor of the Alumnæ Association,* Rt. 2, Box 332.

WACO—Mrs. A. Foster Smith, *State Chairman of the Alumnæ Association,* P. O. Box 337, B. U. Station.

Vermont

PLAINFIELD—Mrs. Harold E. Townsend, *Alumnæ Director of Bryn Mawr College,* "Allenwood," Plainfield.

Virginia

ALEXANDRIA—Mrs. Alexander C. Zabriskie, *State Chairman of the Alumnæ Association,* Seminary Hill.

RICHMOND—Miss Mary W. Scott, *President of the Bryn Mawr Club of Richmond,* 6420 Roselawn Road, Richmond 21.

Mrs. William N. Beverley, *Regional Scholarships Representative for Richmond,* 1831 Monument Avenue, Richmond 20.

Washington

SEATTLE—Mrs. Wetherill B. Collins, *President of the Bryn Mawr Club of Seattle,* 1851 McGilvra Boulevard, Seattle 2.

Mrs. Donald T. Hall, *Regional Scholarships Chairman for Seattle,* 315 Erie Avenue, Seattle 22.

Wisconsin

MADISON—Mrs. Moses S. Slaughter, 633 North Francis Street, Madison 3.

England

Mrs. Alys Russell, 25 Wellington Square, Chelsea, London, S.W. 3.

ADMISSION

Bryn Mawr College is interested in candidates of varied interests and talents who come from a wide range of schools and regions in the United States and abroad. The essentials for admission are character and ability, the desire for a liberal education, and sound training in school.

In its consideration of candidates the College looks for evidence of ability in the student's high school record, her rank in class, and her College Board tests and asks her high school principal for an estimate of her character, maturity, and readiness for college. The Director of Admissions welcomes correspondence and interviews with candidates, their parents, and school advisers. The College reserves the right in all cases to determine which candidates shall be admitted.

Program of Secondary School Studies

Candidates are expected to complete a four-year secondary school course which includes work in English, foreign languages, mathematics, history, and science. The first three of these subjects should be carried through most of the school course.

The best foundation for the work of the College is a program of four years of English grammar, composition, and literature, two and a half or three years of mathematics, including Plane Geometry, Elementary and Intermediate Algebra, and in languages three years of Latin (or two of Greek), and three of a modern foreign language. At least one course in history and one in science (Biology, Chemistry, or Physics) should also be included. Further work in the subjects already mentioned or a year's work in History of Art, History of Music, or Biblical Literature should make a recommended total of 16 credits.

The College recognizes the wide differences among the curricula of different schools and the consequent variations among students' programs. Candidates of ability whose plans of study differ from those suggested will always be given careful consideration provided their programs show continuity in the study of basic subjects. Candidates are advised to read the section on requirements for the degree of Bachelor of Arts at Bryn Mawr.

Application for Admission

Application forms may be obtained from the Director of Admissions, Bryn Mawr College, Bryn Mawr, Penna. A fee of $10.00 must accompany each application and is not refunded if the candidate later withdraws her name or is not admitted. Application does not insure admission. Students are urged to register for admission early in their high school course so that their programs may be approved and their names added to the College mailing list. Admitted candidates are assigned rooms in order of date of registration.

ENTRANCE TESTS

The Scholastic Aptitude Test and three Achievement Tests of the College Entrance Examination Board are required of all candidates. Candidates are advised to offer all tests in March of the senior year in secondary school, but may if they prefer take the Scholastic Aptitude Test in January of that year.

The Scholastic Aptitude Test (3 hours) contains a Verbal and a Mathematical Section.

The Achievement Tests (one hour each) are twelve in number: English, Latin, French, German, Spanish, Biology, Chemistry, Physics, Social Studies, Spatial Relations, Intermediate Mathematics, and Advanced Mathematics. Bryn Mawr candidates should take three Achievement Tests: English, a foreign language; and either Social Studies, one of the sciences, or Mathematics.

The Scholastic Aptitude and Achievement Tests are to be taken without special preparation. They are so constructed that ample opportunity is allowed for candidates to secure good scores on the basis of work well done during the school year.

APPLICATION FOR THE COLLEGE ENTRANCE EXAMINATION BOARD TESTS

Candidates should make application by mail to the College Entrance Examination Board. Students who wish to take the examinations in any one of the following western states, territories, and Pacific areas: Arizona, California, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, Utah, Washington, Wyoming, Territory of Alaska, Territory of Hawaii, Province of Alberta, Province of British Columbia, Republic of Mexico, Australia, and all Pacific islands including Formosa and Japan, should address their inquiries and send their applications to

College Entrance Examination Board
P. O. Box 775
Berkeley 4, California.

All others should write to

College Entrance Examination Board
P. O. Box 592
Princeton, New Jersey.

Application forms will be sent to any teacher or candidate upon request. When ordering the forms, candidates should state whether they wish forms for the December, January, March, May or August tests. Applications for any particular series will not be available until after the preceding series has been held. A copy of the Bulletin of Information is sent to every candidate requesting an application blank.

There is a fee of twelve dollars for registration for both the Scholastic Aptitude Test and the Achievement Tests, of six dollars for the Scholastic Aptitude Test alone, and of eight dollars for the Achieve-

ment Test alone. This fee must accompany each application and may be remitted by postal or express money order or by check. Late applications will be subject to a penalty fee of three dollars in addition to the regular fee.

All applications and fees should reach the office of the Board not later than the dates specified in the following schedule:

	Dec. 10, 1949	*Jan. 14, 1950*	*Mar. 11, 1950*	*May 20, 1950*	*Aug. 9, 1950*
For examination centers located in the United States, Canada, Mexico, or the West Indies....	Nov. 19	Dec. 24	Feb. 18	April 29	July 19
Outside the United States, Canada, Mexico, or the West Indies	Oct. 22	Nov. 26	Jan. 21	April 1	June 21

Under no circumstances will an application be accepted if it is received at the Board office later than one week prior to the date of the examination. No candidate will be permitted to register with the supervisor of an examination center at any time. Only properly registered candidates, holding tickets of admission to the centers at which they present themselves, will be admitted to the tests.

ADMISSION OF TRANSFER STUDENTS AND OF FOREIGN STUDENTS

Students are admitted on transfer from colleges and universities accredited by the Association of American Universities and from foreign universities approved by the College. Such students must have had excellent school records and grades of A and B in their college courses. In addition to their school and college transcripts they must send in a letter of recommendation from an official of their college, and they must offer the Scholastic Aptitude Test and three Achievement Tests of the College Entrance Examination Board, or, if previously offered, a report on these tests. Foreign students may substitute for the College Board tests evidence that they have been admitted to universities in their own countries. Those for whom English is not the native language must in addition present credentials attesting their proficiency in English.

No credit will be given for work done elsewhere until the student has successfully completed a year's work at Bryn Mawr. To qualify for the A.B. degree transfer students must have studied at Bryn Mawr for at least two years. Students of other colleges or universities who have outstanding conditions, who have otherwise failed to meet prescribed standards of academic work, or who have been put on probation or suspended or excluded, will under no circumstances be admitted to Bryn Mawr College.

"HEARERS"

Women over twenty-five years of age are admitted as "hearers" to undergraduate courses without a matriculation examination, but they must furnish proof that they have at some time pursued

the studies required for matriculation. Hearers are clearly differentiated from regularly matriculated students and must obtain permission from each instructor to attend classes, laboratories, and examinations. They are not eligible for degrees and may receive only such certificates of collegiate study as their instructors see fit to give. They are charged the full tuition fee. No other special students are admitted to undergraduate courses at Bryn Mawr College.

RESIDENCE AND EXPENSES

Residence

Halls of Residence. There are nine undergraduate halls of residence: Denbigh Hall, Merion Hall, Pembroke Hall East and West, James E. Rhoads Hall North and South, Rockefeller Hall, Wyndham, and Radnor. A resident warden is in charge of each hall. Each hall has its separate kitchen and dining-room except Pembroke and Rhoads, each of which has a common kitchen and dining-room for the two wings. Each room is furnished with a bed, bureau, table-desk, straight chair, desk chair, and bookcase, but students supply their own rugs, curtains, and towels.

Language Houses. There are three "language houses," in which students get practice in spoken French, German, and Spanish: the French House, with accommodations for eighteen students, occupies Wyndham; the German House and the Spanish House usually occupy a floor of one of the larger dormitories. Each house has its dining-room or alcove where breakfast and dinner are served; but lunch is provided in the larger halls of residence with the other students. Students living in these houses are under the supervision of the French, German and Spanish departments respectively, and applications to live in the houses must be approved by the department concerned.

Application for Residence. A student in residence, who wishes to apply for a room for the following year, must make an application for a room and accompany it with an application fee of $10. This fee will be credited against the residence charge if the room assigned is occupied by the applicant; it will not be refunded in any circumstances. Each student enrolled for the following year must make an additional deposit of $40 not later than June first. This deposit will also be credited against the residence charge. It will be returned if the student withdraws from College before July first; it will not be returned if she withdraws later than July first.

New students applying for residence will be billed $50 early in the summer. This $50 will be credited against the residence charge, but it will not be returned in case of withdrawal after July first.

An applicant who, after having reserved a room, fails to cancel her reservation by September first (even though she does not occupy the room at all or vacates it during the college year) prevents some other student from obtaining accommodation and consequently admission to the College. Therefore, unless formal notice of withdrawal of application for the ensuing academic year is received by the Dean of the College by September first, the applicant is responsible for the residence charge (based upon the room assigned to her) for the whole year, or if a definite room assignment has not

been made, the applicant is responsible for the minimum residence charge of $800; subject to an allowance for the cost of food if absent for more than six consecutive weeks, and a further allowance if the College re-rents the room to a student not previously resident. The applicant is not entitled to dispose of the room that she leaves vacant.

Non-Resident Students. For students living with their families in Philadelphia and the vicinity there are club-rooms in Goodhart Hall and in the Library, and such students have the use of the large Common Room in Goodhart Hall. Non-resident students are liable in whole or in part for all undergraduate fees except those for residence in the halls. The non-resident infirmary fee of $5 entitles them to medical examination and consultation with the College Physician.

EXPENSES: TUITION AND RESIDENCE

Tuition. The tuition fee for all undergraduate students, resident and non-resident, and for hearers is $650 a year. This fee is payable on receipt of bill in October. No reduction or refund of the tuition fee can be made on account of absence, illness, dismissal, or for any other reason.

The average cost of teaching each undergraduate student is over $1000 a year. The difference must be met from the endowment funds of the College and from private gifts. Voluntary contributions from parents able and willing to pay the additional sum or part of it, will be used for scholarships for students unable to pay the regular tuition fee.

Residence. The charge for residence is $800, $900, or $1000 according to the size and location of the student's room or rooms. The residence fees are payable as follows:

$800	— payable	$500	in October,	$300	in February
900	— payable	600	in October,	300	in February
1000	— payable	700	in October,	300	in February

Reduction of Charges for Absence from College. In case of illness or withdrawal from the College for a period of six consecutive weeks or longer there will be a reduction in the charge for residence (representing the reduced expense to the College for food), provided written notice is given to the Dean of the College and the Comptroller at the time of withdrawal, or, in the case of illness at home, as soon as possible. Verbal notice to wardens or instructors is not sufficient to secure this reduction.

Residence during Vacations. A student who wishes to remain at the College during the Christmas and spring vacations should apply to the warden of her hall for information in regard to rooms and rates. During the Christmas vacation the halls of residence are closed but individual students may make arrangements for accommodations near the college campus; these arrangements are subject

to the approval of the College. During the spring vacation one hall of residence is kept open and undergraduate students may occupy rooms in it at a fixed rate. Students remaining during any part of the Christmas or spring vacations in Bryn Mawr, or in the immediate neighborhood, not in their own homes, are required to take advantage of the arrangements made by the College and will be charged according to the length of the stay. A student not going to her own home is required to inform the warden of her intention to spend the vacation elsewhere and to register her address with her warden.

Summary of Major Expenses:

For resident students, tuition and residence: $1450, $1550, or $1650 according to the type of accommodation.

For non-resident students, tuition: $650.

Minor Fees and Charges

Infirmary fee:

For non-resident students $5.00

Laboratory courses (or, in geology, field work): for materials and apparatus:

One course of less than 4 hours a week.....	$ 7.50	a semester
One course of 4 or more hours a week.....	15.00	
Two courses of 4 or more hours a week.....	25.00	
Three courses of 4 or more hours a week...	30.00	
Residence in a language house.....	50.00	a year
Graduation fee (payable in the senior year)...	20.00	
Health Insurance (Students' Reimbursement Plan), optional	15.00	a year

Bills will be rendered by the Comptroller within the first few days of each semester. Students whose fees and charges are not paid before November first in the first semester and before March first in the second are not permitted to continue in residence or in attendance on their classes.

The Tuition Plan

Since some parents prefer to pay tuition and other college fees in equal monthly instalments during the college year, the College offers this convenience under "The Tuition Plan, Inc., New York City." The cost is four per cent greater than when payment is made in cash. If the plan of payment in equal monthly instalments is preferred, notification should be sent to the Comptroller of the College by September fifteenth. The Tuition Plan contract accompanied by the College bill will be forwarded by the Tuition Plan to parent or guardian between October first and fifteenth.

GENERAL REGULATIONS

Residence in the college buildings is required of all undergraduate students except those who live with their families in Philadelphia or the vicinity.

Every student must register with the Comptroller at the beginning of each college year. This regulation must be complied with before 8.45 A.M. of the first day of classes.

Freshmen are asked to come into residence four days before the College is opened to all upperclassmen. They are received by the wardens of the various halls and by a committee of upper classmen. The President and the Dean of the College wish to interview new students during these first few days. The Dean of Freshmen must see all freshmen in the course of these four days to advise them on their registration. During this time also the new students visit the library, take their tests and physical examination, and become acquainted with the College.

The Dean of the College is academic adviser to all undergraduates of the three upper classes. Upperclassmen will also consult with the heads of the departments in which they elect to do their major work. Students are urged to plan their work with reference to the schedule of classes and laboratories in order to avoid any conflict of hours which might prevent them from electing courses that they need.

The Students' Association for Self-Government, of which all undergraduates are members, has jurisdiction over the conduct of the students in all matters except those which are academic or which affect living arrangements.

The College reserves the right to exclude at any time any student whose conduct or academic work is unsatisfactory. In such cases the fees due or already paid to the College will be neither refunded nor remitted in whole or in part.

Integrity of all work is demanded of every student. In an examination or quiz no student shall hold any communication with another student or give or receive any assistance. Printed rules governing written work are handed to all entering students; a signed certificate that they have read and understood them is required. Any infraction of these rules or any action contrary to their spirit constitutes an offense.

Regular attendance at classes is expected.

HEALTH

Every entering student is required to file at the office of the Director of Admissions, on a blank to be secured from the College, a report of a recent medical examination, filled out and signed by a physician.

The blank includes a space for a physician's certificate stating that the student has been vaccinated against smallpox during the year preceding her entrance to College and that she exhibited a typical or immune reaction to this vaccination. Students who do not certify to vaccination at entrance will be vaccinated by the College Physician. A fee of five dollars will be charged.

There is required on the medical examination blank a statement of immunization against tetanus by toxoid and of evidence of a negative Schick test. If these have not been done the student should arrange to have these immunizations completed before admission to College. A statement to that effect signed by the examining physician must be presented at the time of entrance. Failing this the entering student will be given the required injections at the time of her admission and charged accordingly.

Every student must file a certificate stating that her eyes have been examined by an oculist within six months before entrance and again before the beginning of her junior year. Failure to comply with the above rule entails an examination by one of the college consultants for which the student will be charged as a private patient by the ophthalmologist who makes the examination.

At the beginning of each year every student has a chest X-ray. These X-rays are made with paper plates, at a fee of about two dollars each. If necessary, the paper plate is checked with stereoscopic films, the fee for which is twenty dollars. Any student who has had a chest X-ray within six months preceding the opening of any year will be excused from this procedure, provided a complete report has been filed with the College before September fifteenth of the year in question.

Every undergraduate is examined each year by the Physician of the College and at intervals by the Director of Physical Education with reference to physical development and general health. Exceptions are made for those sophomores whose health records for the whole previous year have been passed by the College Physician. At the time of the examination each junior will be given a booster injection of tetanus toxoid for which a nominal fee will be charged. All students are urged to take some out-of-door exercise in addition to their required work in Physical Education. Any student who at the time of the examination or at any time during the year is not in good health is placed on the health supervision list. She is required to follow the special regime prescribed and her extra-curricular activities may be limited.

The College Physician is in her office in the college infirmary daily and may be consulted by the students without charge. Specialists practising in Bryn Mawr and Philadelphia serve as consulting physicians to the College. The fees of the consulting physicians and surgeons and other specialists recommended by the College will be furnished on request. The infirmary is open when college is in session and during the spring vacation. It is closed during the Christmas vacation.

The residence fee paid by each resident student entitles her to free consultation with the college physicians and to treatment in the college dispensary. It also entitles her to be cared for in the infirmary for seven days (not necessarily consecutive) during the year and to attendance by the college physicians during this time and to nursing, provided her illness is not contagious and is not sufficiently serious to require the services of a special nurse. The fee for each day in the infirmary after the seven-day period is six dollars. In case of contagious disease the student must meet or share the expense of special nursing.

All communications concerning the health of students from parents and guardians, outside physicians and others, should be addressed to the Dean of the College. Any student who becomes ill when absent from the College is asked to notify the Dean of the College immediately and to present a signed statement from her physician when she returns.

The College reserves the right, if the parents or guardians cannot be reached, to make decisions concerning operations or other matters of health.

The College has arranged with the Connecticut General Life Insurance Company of Hartford, Connecticut, for health insurance, known as the Students' Reimbursement Plan. Under this plan individual policies are issued to the students who subscribe which provide for reimbursement, within specified limits, for the medical, surgical, and hospitalization expenses in cases of operation and prolonged illness. The cost of such a policy is fifteen dollars a year and includes protection during all vacations.

THE LIBRARY

With a collection of over 204,000 volumes and approximately 13,000 pamphlets the Library supplies most of the needs of the faculty and students, both graduate and undergraduate. Periodicals and serials, American and foreign, numbering more than 900, are currently received. The basic collection of books is housed in the M. Carey Thomas Library, either in the main stacks, in the Quita Woodward Wing built in 1940, or in the seminary rooms where are shelved those volumes most needed for graduate study. Separate libraries are maintained in Dalton Hall for Physics, Biology, and Mathematics, and in Park Hall for Chemistry and Geology. The Department of Geology is a repository for the Army Map Service of the United States Army which is depositing 25,000 maps in duplicate, covering a large part of the world. These maps are available for research and study. There are small collections of books in the various halls of residence including the "language houses", most of these being duplicates of the books in the Reserve Book Room in the Main Library. The Quita Woodward Memorial Room, designed like a private library, houses new books and the standard authors for leisure-time reading. The Rare Book Room, where a variety of exhibitions are displayed throughout the year, has about 1,000 volumes, incunabula, fine press books, rare editions and manuscripts.

The Library is open for study from 8 A.M. until 10 P.M. every day of the week, and from 9 A.M. until 10 P.M. on Sunday. (The stacks are open from 2 P.M. to 10 P.M. on Sunday.) It provides seating capacity for about one third of the student body, and with the open-shelf system, free access to the stacks is permitted to every registered student. The students also have the privilege of using the Library of nearby Haverford College, this use being facilitated by the inclusion of duplicate Haverford "author cards" in the Bryn Mawr Library catalogue.

The libraries in Philadelphia are generous in making their large resources available to students. The Philadelphia Bibliographical Centre and Union Library Catalogue located at the University of Pennsylvania make it possible to locate easily the material available in approximately one hundred and fifty libraries in the Philadelphia metropolitan area.

CURRICULUM

Major courses of study are offered in Biology, Chemistry, Classical Archæology, Economics and Politics, English, French, Geology, German, Greek, History, History of Art, Italian, Latin, Mathematics, Philosophy, Physics, Psychology, Sociology and Social Economy, and Spanish. Elective courses are offered in Education, the History of Religion, Music, and Russian, as well as in the major departments.

Every candidate for the degree of Bachelor of Arts chooses in the spring of her sophomore year a major subject of study. This is combined with work in allied subjects. The object of this system is to give to the student the thorough training in method and the familiarity with the literature of a subject which constitute the necessary foundation for work of an advanced character. The discipline thus provided by continuity of training is an advantage in any field of activity, and for the student who intends to pursue graduate study and research in her chosen field the groundwork is laid.

Candidates for the degree must include in their programs certain courses considered important for a liberal education and required of everyone: Freshman English Composition, the History of Philosophic Thought, one course in one of the sciences, and one course in literature. Candidates who are members of the class of 1953 or following classes must also include one course from the following group: Economics, History, Politics, or Sociology.

Fourteen and one-half courses comprise the undergraduate curriculum. (For definition of course, see p. 38.) For the first three years the usual course load is four, or in special cases four and one-half courses. During the senior year, two and a half or three courses are usually taken, together with the unit of work done in preparation for the final examinations.

Preparation for a Final Examination in the major field requires the student to review and correlate the material covered in her major and allied courses, and to carry on independent reading selected to round out her knowledge of her field as a whole, thus giving her a deeper insight into fundamental principles and general concepts. In part of the examination emphasis is laid upon a broad general knowledge of the subject. The student is expected to devote approximately ten hours a week for one year to the preparation for this examination. Most of this preparation is done in the senior year but part may be done, on the advice of the department, during the preceding summer or in the junior year. One-third of this preparation may be devoted to an allied subject and one part of the examination may be set by an allied department.

Honors work is of a more advanced character than that done in the regular courses and requires greater initiative and power of

organization than is usually expected of undergraduate students. No student may elect to work for honors without the recommendation of her department and the approval of the Dean. Reports giving to the student an opportunity to test her ability in the selection and interpretation of source-material are usually required. These special studies may be carried on in connection with an advanced course or they may be planned for individual students. Such work may be undertaken only after the completion of two years of study in the major subject.

Students who have completed the major courses of study in Biology or in Chemistry fulfill the subject requirements for admission to the leading medical schools of the United States. The minimal premedical requirements are met by completing the following courses: Biology 101, Biology 201, Chemistry 101, Chemistry 202, Mathematics 101, Physics 101. Additional work in Biology and Chemistry is recommended, and can be obtained by completing the major subject requirements in either department with allied work in the one not chosen as the major.

The Plan for Co-ordination in the Teaching of the Sciences offers special training in subjects which fall between two sciences. A gift from the Carnegie Corporation enables the College to award scholarships to qualified students in such fields as biophysics, geophysics, and geochemistry. As such work demands a thorough knowledge of the fundamentals of at least two sciences, it is often impossible for students to include all the desired courses in four undergraduate years; these scholarships are intended primarily to provide for an additional year (mainly in the Undergraduate School) so that the student may be ready, at the end of five years, to begin graduate work in her chosen correlated fields. Students entering Bryn Mawr who wish to work in science should consider the advantages of this plan and should consult with the heads of the departments in which their special interests lie as early in their college career as possible. In addition to the sum allotted to scholarships part of the annual income from the Carnegie fund is set aside for special courses in related subjects. These courses vary from year to year with the needs and interests of the students in science.

REQUIREMENTS FOR THE DEGREE OF BACHELOR OF ARTS

Every candidate for the degree of Bachelor of Arts, unless she is a transfer student or is permitted to accelerate her program must attend Bryn Mawr College for a period of four years. Students admitted on transfer from other colleges must study at Bryn Mawr for at least two years. The minimum number of courses for the A.B. degree is fourteen and one-half. A course is normally one-quarter of a student's working time for one year, or approximately ten hours of work a week, including class meetings. When it is necessary to express *courses* in terms of *semester hours,* one course is considered equivalent to eight semester hours. Numerical grades on the scale of 100 are given in all courses counting for the degree. The student must attain a grade of 70 or above in at least half of these courses and a grade of at least 60 in the remainder. In the courses in her major subject she must maintain an average of at least 70, and should she receive a grade below 70 in a Second Year or Advanced course in her major subject she may be required to change her major.

Students who are members of the classes of 1950, 1951, and 1952 must meet the requirements of curriculum Plan I. Students who are members of the class of 1953 and all following classes must meet the requirements of curriculum Plan II.

Plan I

Required Courses:

(1) *English Composition.* This course is supplemented by work in English Speech, consisting of practice speaking and individual conferences which must be completed before the end of the Sophomore year.

(2) *Literature.* English, Greek, Latin, or the English Bible. A student majoring in Greek must take a course in Latin or English approved by the Department of Greek. A student majoring in Latin must take a course in Greek or English approved by the Department of Latin. A student majoring in English must take a course in Greek or Latin approved by the Department of English.

(3) *Science.* Biology, Chemistry, Geology, or Physics. A student majoring in one of the sciences must substitute for this requirement a course in Archæology, History, History of Art, Economics, Music, Politics, or Psychology.

(4) *Philosophy.* The History of Philosophic Thought. A student majoring in Philosophy must substitute for this requirement a course in Elementary Greek, Psychology or Mathematics.

Plan II

Required Courses:

(1) *English Composition.* This course is supplemented by work in English Speech, consisting of practice speaking and indi-

vidual conferences which must be completed before the end of the Sophomore year.

(2) *Literature.* English, Greek, Latin, or the English Bible.

(3) *Science.* Biology, Chemistry, Geology, or Physics.

(4) *Philosophy.* The History of Philosophic Thought.

(5) *Social Science.* Economics, History, Politics, or Sociology.

Requirements for Students Following both Plan I and Plan II

Major Subject and Allied Subjects: This consists of six courses and preparation for a final examination. A student must take at least three courses in her major subject (many departments require four): one First Year course; one or two Second Year courses; one Advanced course. She must take enough courses in allied subjects to bring the total to six. *A Final Examination in the Major Field* must be taken by all candidates for the degree.

Free Elective Courses: Approximately four courses are chosen freely by the student, the only limitations being the prerequisites of the courses selected.

Physical Education: During the first two years in college all students are required to take part in work organized by the Department of Physical Education. No student will be allowed to register for junior year who has not completed the requirement. Special exception may be granted by the Dean of the College in cases of prolonged illness or for transfer students.

Hygiene: All students are required to attend a Hygiene discussion group in the freshman year and to take at the beginning of their second year an examination based upon reading assigned by the College Physician. Students will not be allowed to register for the senior year unless they have satisfactorily passed the examination in Hygiene. This work does not count as any fraction of the total number of courses required for the degree.

Reading Knowledge of Two Foreign Languages: Students following Plan I are generally advised to offer French and German since a knowledge of these languages is useful in the work of all departments; but for French or German (not both) a student may substitute Spanish, Italian, Russian, or some other European language if her choice is approved by the department in which she does her major work. Students following Plan II must offer for examination two languages which do not come from the same linguistic group. Exceptions may be made by the Dean on the recommendation of the major department.

Language examinations may be taken in any autumn or spring after entrance, up to the beginning of the senior year. No student may take a second examination in the same language in the same academic year unless she satisfies the Dean of the College and the Chairman of the Language Examination Committee that she has made a serious effort to prepare for it. A senior who fails either examination or is conditioned in both in the autumn will

not receive her degree the following June. If having passed one examination she is conditioned in the other, she may take a second examination in January. Credit towards the degree is not given to seniors for any course taken in preparation for this examination.

Advanced Standing. In order to free more time for studies of a more advanced character, students are permitted to take examinations in certain subjects without attending classes in college. These subjects are elementary Greek, French, German, Italian, Spanish, and Russian. Examinations for advanced standing must be taken not later than the beginning of the junior year unless the student's major department recommends a later date. Students wishing to take examinations for advanced standing in subjects other than those listed above must present requests to the Dean of the College who will consult with the Committee on the Curriculum and with the departments concerned. Members of the class of 1953 and following will not receive college credit for advanced standing examinations.

Co-operation with Neighboring Institutions. Bryn Mawr College co-operates with the University of Pennsylvania, Haverford College, and Swarthmore College in a plan which, while preserving the individual qualities and complete autonomy of each institution, provides an efficient and economical service by co-ordinating the facilities of the four institutions. Full time students of any of the four may, with the approval of the Dean, take courses at any of the other three without additional expense. Full academic credit is granted for such work by the institution in which the student is enrolled.

Summer School Work. Students desirous of supplementing their work at Bryn Mawr by taking courses in summer school are encouraged to do so. No credit will ever be given for work in which the student has received a grade below C. Students will not, however, obtain academic credit at Bryn Mawr for work done in summer school except for the following reasons: 1, if the credit is needed for the Bryn Mawr A.B. degree (e.g., to make up credit lost through illness or absence from college); 2, if the course taken is one which is recommended by the major department as a part of the plan of major work. A student who needs to secure credit for work to be done in summer school should first consult the Dean and secure her preliminary written approval of the plan, after which the plan must be approved in detail by the department or departments concerned. Credit given for such work will be calculated on an hour-for-hour basis.

The Degree of Bachelor of Arts is conferred upon students who have completed the courses of study outlined above. The degree is awarded *cum laude, magna cum laude,* and *summa cum laude* to students whose numerical average grade on all their courses is, respectively, 80-84, 85-89, and 90 or above. To students who have completed honors work in their major subject the degree is awarded with honors in that subject.

COURSES OF STUDY

1949-50

Credit is generally given in full-year courses only when the work of both semesters is completed. In certain courses, however, credit may be given for one semester's work, but only with the permission of the Dean of the College and the department concerned. A few courses carry additional credit, indicated by the number "1½". Pre-requisites in other departments than the major course of study are indicated in the description of the individual courses.

KEY TO COURSE NUMBERS AND SYMBOLS

1, 2, etc. elementary courses and required courses which are not part of the major work.
101, 102, etc. indicate first year courses in major work.
201, 202, etc. indicate second year courses in major work.
301, 302, etc. indicate advanced courses in major work.
* indicates elective courses, numbered in accordance with the year in which they are generally taken, e.g. 201*.
"a" the letter "a", following a number, indicates a half-course given in the first semester.
"b" the letter "b", following a number, indicates a half-course given in the second semester.
"c" the letter "c", following a number, indicates a half-course given two hours a week throughout the year.
[] Square brackets enclosing the titles of courses indicate that, though regular parts of the program, they are not given in the current year.

Biology

PROFESSOR:	MARY SUMMERFIELD GARDINER, Ph.D.
ASSOCIATE PROFESSORS:	L. JOE BERRY, Ph.D.
	JANE MARION OPPENHEIMER, Ph.D.
ASSISTANT PROFESSOR:	WILLIAM E. NORRIS, JR., Ph.D.
DEMONSTRATORS:	MARY R. DAY, B.S.
	ISABEL KELLERS, A.B.
	JOAN FULTON WHITE, A.B.

Students majoring in Biology are required to take the first year course, both second year courses, and one advanced course; and, as allied subjects, General Chemistry and Elementary Organic Chemistry. The following courses are strongly recommended and are required for admission to most medical schools: Physics 101, Math-

ematics 101, and Chemistry 201. The course in Botany at Haverford College is open to Bryn Mawr students who have had Biology 101, and may be counted as elective work.

Allied subjects: Chemistry, Physics, and certain others with the approval of the department.

101. *General Biology:* Dr. Gardiner and Dr. Oppenheimer.
An introduction to biological problems and theories through a study of typical plants and animals. About one fifth of the year is spent on the embryology of the frog and the chick. Three lectures, four hours laboratory a week.

201. *Comparative Zoology:* Dr. Oppenheimer and Dr. Gardiner.
A study of the comparative anatomy of vertebrates and invertebrates. Three lectures, four hours laboratory a week.

202. *General Physiology:* Dr. Norris, Dr. Berry.
A comprehensive survey of general and vertebrate physiology. Three lectures, five hours laboratory a week. Prerequisites: Chemistry 101, Chemistry 202 (This may be taken concurrently).

[301. *Microscopic Anatomy:* Dr. Gardiner.]

302. *Genetics:* Dr. Gardiner.
Two lectures, six hours (minimum) laboratory a week.

[303. *Embryology:* Dr. Oppenheimer.]
Embryology of the vertebrates with consideration of theoretical questions of embryological interest. Two lectures, six hours (minimum) laboratory a week.

304. *Bacteriology:* Dr. Berry, Dr. Norris.

305. *Biochemistry:* Dr. Norris.
The chemistry of living organisms with special emphasis on the chemical principles in physiological phenomena. Two lectures, six hours (minimum) laboratory a week. Physics 101 is recommended as preparation for this course.

306. *Biophysics:* Dr. Berry.

307. *The Development of Scientific Thought:* Dr. Wyckoff, Dr. Oppenheimer.
(Interdepartmental Course 203. See page 74.)

308. *Fundamentals of Systematics.*
Offered at the Academy of Natural Sciences. One hour of lecture; four hours laboratory a week (Saturday mornings). A survey of the scope and methods of taxonomy, with a consideration of the mechanisms of speciation.

FINAL EXAMINATION

The final examination for students majoring in biology is in three parts:

1. General Biology (required of all students).
2. Two examinations offered from the following group (except in the case of Honors students as provided for in the General Plan):

a. Microscopic Anatomy
b. Embryology
c. Genetics
d. Bacteriology
e. Physiology
 Biochemistry
 Introductory Biophysics
f. History of Biology

3. As an alternate, the student may substitute for one of the subjects under Group 2 an examination in Chemistry or Physics covering at least two years of work in the subject.

HONORS WORK

Honors work in any of the advanced fields is offered to qualified students.

Chemistry

PROFESSOR:	JAMES LLEWELLYN CRENSHAW, Ph.D.
ASSOCIATE PROFESSOR:	ERNST BERLINER, Ph.D.
ASSISTANT PROFESSOR:	HAROLD KWART, Ph.D.
INSTRUCTOR:	EDITH HAMILTON LANMAN, M.A.
DEMONSTRATOR:	FRANCES BONDHUS BERLINER, Ph.D.
	Appointments to be announced.

Students majoring in Chemistry are required to take the first year course, both second year courses, and one advanced course. One year of Physics, Mathematics 101a and 101b and a reading knowledge of German and of French or Russian are also required.

Allied subjects: Biology, Geology, Mathematics, Physics.

101. *Introduction to General Chemistry* (first semester): *Qualitative Analysis and the Chemistry of the Metals* (second semester): Dr. Crenshaw, Dr. Berliner, Miss Lanman.

The first semester's work does not presuppose any knowledge of chemistry. Students who have had chemistry in school are given special laboratory work. Three lectures, four hours laboratory a week.

201a. *Quantitative Analysis* (first semester): Miss Lanman.
One lecture, eight hours laboratory a week.

201b. *Elementary Physical Chemistry* (second semester): Dr. Crenshaw.

Two lectures, five hours laboratory a week. Prerequisite: one year of school physics or the first semester of Physics 101.

202. *Organic Chemistry:* Dr. Berliner and Dr. Kwart.
Three lectures, five hours laboratory.

301. *Advanced Physical Chemistry:* Dr. Crenshaw.

First semester: elementary thermodynamics. Second semester: chemical kinetics. Two lectures, eight hours laboratory. Prerequisite: Mathematics 101. Credit 1½.

302. *Advanced Organic Chemistry:* Dr. Berliner and Dr. Kwart. Lectures: theories and fundamental principles of organic chemistry. Laboratory: (first semester) organic qualitative analysis; (second semester) advanced synthesis and organic quantitative analysis. Two lectures, eight hours laboratory. Credit: 1½.

303. *Advanced Inorganic Analysis:* Miss Lanman. One lecture, eight hours laboratory. By special arrangement this course may be taken for one and a half credits.

Final Examination

The final examination consists of three parts:

1. General Chemistry (required of all students).
2. At least *one* examination from the following group:
 a. Analytical Chemistry
 b. Organic Chemistry
 c. Physical Chemistry
3. If only one examination is offered from Group 2, one of the following must be offered:
 a. Laboratory examination
 b. An examination in an allied subject.

Honors Work

Honors work may be taken in conjunction with any of the advanced courses or after their completion.

Classical Archaeology

PROFESSOR: RHYS CARPENTER, Ph.D., Litt.D.
ASSISTANT PROFESSOR: MACHTELD JOHANNA MELLINK, Ph.D.
CURATOR OF SLIDES AND PHOTOGRAPHS: HENRIETTA HUFF LANDES, A.B.

ASSOCIATE PROFESSOR OF ANTHROPOLOGY: FREDERICA DE LAGUNA, Ph.D.

Students majoring in Classical Archæology are required to take the first year course, the second year courses 201a and 201b, and the advanced courses. Courses 202a, 202b, and 203 are electives.

Allied subjects: Ancient History, Greek, History of Art, Latin, and Anthropology.

101. *Ancient Sculpture:* Dr. Carpenter.

201a. *Egyptian and Mesopotamian Archæology:* Dr. Mellink.

201b. *Aegean Archæology:* Dr. Mellink.

202a.* *Ancient Italy:* Dr. Carpenter.

202b.* *Cultural Geography of the Mediterranean:* Dr. Carpenter.

203.* *American Archæology:* Dr. de Laguna.

Anthropology 102 (see page 72) is recommended as a preliminary to this course.

301a. *Ancient Painting:* Dr. Mellink.

301b. *Ancient Architecture:* Dr. Carpenter.

Final Examination

The final examination for students majoring in classical archæology is in three parts:

1. Three examinations chosen by the student from the following:
 a. Greek Sculpture
 b. Greek Vase-Painting
 c. Ancient Architecture
 d. Aegean Pre-history
 e. Egyptian and Mesopotamian Archæology
2. Alternate: In lieu of the third examination in archæology from Group 1 students who have completed by the end of their junior year two units in Greek, Latin, or History of Art, may offer a field of these allied subjects.

Honors Work

Honors work is offered by the department for students who have completed two years of work in the department with distinction.

The work is conducted by means of reports, reading assigned in various fields and discussion of topics.

1st Semester Courses.

Greek Sculpture: Dr. Carpenter.

Vase Painting: Dr. Mellink.

Preparation for the final examination for Honors in Classical Archæology.

2nd Semester Courses.

Aegean Archæology: Dr. Mellink.

Greek and Roman Architecture: Dr. Carpenter.

Preparation for the final examination for Honors in Classical Archæology through detailed problems in the reconstruction of classical buildings on excavated sites.

Economics and Politics

Professors:	Roger Hewes Wells, Ph.D.
	Mildred Benedict Northrop, Ph.D.[1]
Associate Professor:	Joshua C. Hubbard, Ph.D.
Assistant Professor:	Peter Bachrach, M.A.
Lecturer:	Maxine S. Woolston, Ph.D.
Instructor:	Helen Manning Hunter, M.A.
Reader:	Rhoda Gilman, A.B.
Professor of English and of Political Theory:	K. Laurence Stapleton, A.B.
Professor of Social Economy	Florence Peterson, M.A.
Associate Professor of Mathematics:	Marguerite Lehr, Ph.D.[2]
Associate Professor of Philosophy:	Isabel Scribner Stearns, Ph.D.

[1] On leave of absence for the year 1949-50.

[2] Granted leave of absence for the second semester.

Students in this department may major in either Economics or Politics. Students majoring in Economics are required to take the first year course, two full second year courses, and the advanced course. They are urged to take Economics 213 (Statistics), which will count as part of their allied work. They are normally expected to take some work in Politics as an allied subject. Students majoring in Politics are required to take the two first year half-unit courses, one second year course, and a third year course. They are required to take Economics 101 as an allied subject.

Allied subjects for Economics: Politics, History, Philosophy, Psychology, Sociology and Anthropology, Mathematics.

Allied subjects for Politics: Economics, History, Philosophy, Psychology, Sociology and Anthropology, and, with the permission of the Department, modern foreign language or literature.

ECONOMICS

101. *Introduction to Economics:* Dr. Hubbard.

This course is designed to provide an understanding of the economic institutions and problems of American civilization in the middle of the twentieth century. The problems analyzed and discussed include: the public debt, unemployment, inflation, social security, international economic problems, the role of the United States in the world economy, and comparative economic organization.

201. *Industrial Organization:* Dr. Woolston.

A study of the development of modern industrialism with particular reference to the development of the modern corporation; corporation finance and price policy; the decline of competition and problems of government regulation and control.

202a. *Money and Banking:* Dr. Hubbard.

The function of money and banking in a credit economy; the history, organization and structure of the money and banking system of the United States; problems of the value of money.

202b. *Public Finance and Fiscal Policy:* Dr. Hubbard.

A study of local, State, and Federal revenues and expenditure with particular emphasis on the Federal budget; fiscal policy as a positive means of shaping public taxation and expenditure so as to contribute to a stable full employment economy.

203a. *The Labor Movement:* Miss Peterson.

History of the American Labor Movement with emphasis upon the political and economic factors which have influenced its development and present characteristics; causes of labor disputes and methods for settlement.

203b. *Employer-Labor Relations:* Miss Peterson.

Significance of collective bargaining; legal aspects; nature of the collective bargaining contract in various industries; wage determination; personnel policies and practices.

204. *Statistics:* Mrs. Hunter.

Fundamental principles underlying the collection, analysis, tabulation and presentation of data, including graphic methods averages, dispersion, simple index numbers, the time series, and correlation.

301a. *Full Employment:* Dr. Woolston.

A study of the business cycle and business cycle theory; the "Keynesian Revolution" and post-Keynes economic theory; the full employment policy of the United States and of other countries.

301b. *International Economics:* Dr. Woolston.

A study of international trade and international finance in theory and practice; the foreign economic policy of the United States; International Economic Organization; the impact of industrialism on underdeveloped nations.

POLITICS

111a. *American Government:* Mr. Bachrach.

111b. *European Governments: Britain and the Soviet Union:* Dr. Wells.

[211. *The Theory and Practice of Democracy:* Dr. Wells, Miss Stapleton, Dr. Stearns, Dr. Hubbard. See Interdepartmental Course 211, page 74.]

[212a. *Eastern Europe:* Dr. Wells.]

213a. *International Relations:* Mr. Bachrach.

213b. *History of Western Political Thought:* Mr. Bachrach.

[214a. *Political Parties:* Dr. Wells.]

[214b. *American Foreign Policy:* Mr. Bachrach.]

218b. *American Constitutional Law:* Mr. Bachrach.

[219b. *American State and Local Government:* Dr. Wells.]

[311. *International Organization.*]

312a. *Public Administration:* Dr. Wells.

313. *Reconstruction in Western Europe:* Dr. Wells.

The first semester deals with Germany since World War II. The second semester begins with a study of postwar France and concludes with the European Recovery Program and Western Union. Each semester may be taken as a half unit course.

FINAL EXAMINATION

The final examination for students majoring in Economics is in three parts:

1. An examination in general economic principles and problems.
2. An examination in Economic Theory.

3. An examination in one of the following:
 a. Money and Banking, including Fiscal Policy
 b. Industrial Organization
 c. International Economics
 d. The Business Cycle and Full Employment
 e. Labor Economics including Wages and Wage Theory.

The final examination for students majoring in Politics will consist of three three-hour papers each based upon a field of the major subject.

With the permission of the major and allied departments, one of the papers in Economics or in Politics may deal with an allied subject.

HONORS WORK

One unit of honors work may be taken by students recommended by the department.

Education

PRESIDENT OF THE COLLEGE:
KATHARINE ELIZABETH MCBRIDE, Ph.D., LL.D., L.H.D.

ASSOCIATE PROFESSOR:
RACHEL DUNAWAY COX, Ph.D.

ASSISTANT IN THE CHILD STUDY INSTITUTE:
ELAINE FRANCE, A.B.

Instruction offered in Education is not organized on the scale of a regularly constituted department; there is no major work in the subject.

The Department of Education maintains the Child Study Institute under the direction of Dr. Cox with the assistance of James Delano, M.D., Consulting Psychiatrist, Elaine France, Psychological Assistant, and Shirley Milner, Social Case Worker. This is a clinic supported jointly by the College and the Lower Merion Township Schools for work in the field of child development. Problems of learning and behavior are studied, psychological testing and remedial teaching are carried on. A program of counseling for children and their parents renders help in school and family adjustment. Advanced students participate in the work, and undergraduate and graduate students observe and carry on research projects in the twelve public schools of the Lower Merion Township.

Referrals also come to the Institute from the neurological and pediatric departments of the Bryn Mawr Hospital, from psychiatrists and from social agencies, giving opportunity for acquaintance with a diversity of clinical material.

A separate building on the college grounds houses the Institute, with rooms equipped for the individual examination of pupils, remedial teaching, play therapy, and student observation. Sound recording facilities are available for the study and improvement of counseling and testing techniques.

Courses 101b and 201a are accepted in partial fulfilment of State requirements for teachers.

[101b.* *Principles of Education:* President McBride.]

[201a.* *Educational Psychology:* President McBride and Dr. Cox.] Prerequisite: Psychology 101.

202a.* *Child Psychology:* President McBride and Dr. Cox. Prerequisite: Psychology 101.

English

PROFESSORS:	SAMUEL CLAGGETT CHEW, Ph.D.
	STEPHEN JOSEPH HERBEN, B.Litt., Ph.D.
	CORNELIA LYNDE MEIGS, A.B.
	K. LAURENCE STAPLETON, A.B.
ASSOCIATE PROFESSORS:	ARTHUR COLBY SPRAGUE, Ph.D.
	MARY KATHARINE WOODWORTH, Ph.D.
	FREDERICK WAKEFIELD THON, M.F.A.
	BETTINA LINN, M.A.
INSTRUCTORS:	DEBORAH SANDS AUSTIN, M.A.
	CHARLOTTE SCHNAKENBERG, A.B.
	FRANCES MATTHAI, A.B.
	ISABEL GAMBLE, M.A.
PROFESSOR OF GREEK:	RICHMOND LATTIMORE, Ph.D.

Students majoring in English must take English 101 unless they have obtained a grade of 80 or better in English 1 and have the recommendation of the department to enter a second year course. They must complete four second year and advanced courses in English Literature, of which at least one should be an advanced course. Students who wish to specialize in the field of Old and Middle English must take some courses in later periods, and those specializing in modern literature must take English 201 or, in exceptional cases, certain other courses approved by the department. Credit will not be given for a single semester's work in full-year courses unless the Dean of the College recommends, and the department approves, that an exception be made.

A student majoring in English is expected to take at least two courses in allied subjects: any other language or literature, History, History of Art, History of Religion, Music, and Philosophy. Students are advised to devote one unit of allied work to a course in Greek or Latin or Greek Literature in Translation.[1] Any second year or advanced writing course may be substituted for one unit of allied work.

COMPOSITION

1. *English Composition:* Dr. Woodworth, Miss Meigs, Miss Linn, Miss Austin, Mrs. Schnakenberg, Miss Matthai, Miss Gamble.

A study of the forms of composition based upon reading in modern prose and poetry. This course must be taken by all

[1] Students of the classes of 1950, 1951 and 1952 must offer one of these courses for the required work in Literature.

freshmen and by transfer students who have not had a comparable course.

2. *English Speech:* Mr. Thon.
Training by means of voice-recordings, motion pictures, practice speaking, and individual conferences. This course carries no credit but must be taken by all freshmen and by transfer students who have not had a comparable course. It must be passed before the end of the Sophomore year.

209.* *Experimental Writing:* Miss Linn.
Practice in various forms of writing.

[209a.* *Prose Writing:* Miss Linn.]
Practice in various forms, excluding fiction and with emphasis on exposition and description.

210a.* *Playwriting and Production:* Mr. Thon.
Writing of two original one-act plays and production of selected scripts.

210b.* *Advanced Playwriting and Production:* Mr. Thon.
Writing of a full-length play and preparation of its production book. Prerequisite: consent of the instructor.

Theatre Arts: Mr. Thon.
Laboratory instruction in theatre arts. (No credit.)

211c.* *English Verse Composition:* Dr. Lattimore.
Original verse composition, with a study of the principles of form.

306 and 306c.* *Advanced Writing:* Miss Meigs.
Prerequisite: English 209.

LANGUAGE

211b.* *History of the English Language:* Dr. Herben.

LITERATURE

101. *Survey of English Literature:* Dr. Herben.
From the beginnings to the middle of the Eighteenth Century.

Literary History of the Bible: Dr. Chew.
See History of Religion 103, page 61.

201. *English Literature of the Middle Ages:* Dr. Herben.
The emphasis is upon Chaucer and his contemporaries. Sufficient instruction is given in Middle English to enable the student to read ordinary texts.

[202. *Shakespeare:* Dr. Sprague.]
All the plays are read and one or two studied in detail.

203. *The Romantic Period:* Dr. Chew.
Attention is centered upon the poets.

[204. *The Victorian Period:* Dr. Chew.]

[205. *Representative English Novelists:* Miss Linn.]
Prerequisite: The reading of two novels by each of the following: Charlotte Brontë, Dickens, Thackeray, George Eliot, Meredith.

[206a. *English Drama from the Restoration to Robertson:* Dr. Sprague.]

[206b. *Modern English Drama:* Dr. Sprague.]
The drama from 1865 to the present day.

207. *English and American Literature of the Last Half-Century:* Dr. Woodworth.
Attention is paid to earlier movements but the emphasis is upon contemporary tendencies.

208. *American Literature:* Miss Meigs.

[301. *Old English Literature:* Dr. Herben.]
After some training in Old English grammar, selections from prose and poetry are read, followed by the *Beowulf*.

302a. *The Drama from the Beginnings to 1642:* Dr. Sprague.

303. *English Poetry from Spenser to Donne:* Dr. Sprague.
The principal poets studied are Spenser, Sidney, Daniel, Drayton, Shakespeare (the narrative poems and the sonnets), Ben Jonson, and Donne.

304. *The Seventeenth Century:* Miss Stapleton.
About a third of the time is devoted to Milton, and special attention is given to the influence of the political and scientific movements of the period.

[305. *The Eighteenth Century:* Dr. Woodworth.]
The age of Pope and Swift; the Rise of the Novel; Dr. Johnson and his Circle.

FINAL EXAMINATION

The final examination is in three parts:

1. Literary criticism, literary genres, and problems of style. Based upon the reading of certain critical works of fundamental importance. Each student is expected to draw illustrative material from the fields in which she has elected to work.

2. An examination in one of the following periods. The student must choose a period other than that which embraces her field of concentration.
 a. The Middle Ages (to 1500)
 b. The Renaissance (1500-1660)
 c. Neo-classicism and Romanticism (1660-1832)
 d. The Nineteenth and Twentieth Centuries (English or English and American).

3. An examination in one of the following fields of concentration: Old English; Middle English; The Drama to 1642;

Elizabethan Literature, non-dramatic; The Seventeenth Century; The Eighteenth Century; Romanticism; Victorian Literature; The Novel; The Drama from 1660 to the Present Time; English and American Literature, 1890-1939; American Literature.

For one of the fields of the second examination an examination in an allied subject may be substituted. This subject should be related to the field of English Literature which has been chosen for intensive study.

HONORS WORK

In the senior year honors work, consisting of independent reading, reports, and conferences, is offered to students of marked ability whose major subject is English.

French

PROFESSORS:	MARGARET GILMAN, Ph.D.
	GERMAINE BRÉE, *Agrégée de l'Université*[1]
NON-RESIDENT PROFESSOR:	GRACE FRANK, A.B.
ASSOCIATE PROFESSOR:	BERTHE MARIE MARTI, Ph.D.
ASSISTANT PROFESSOR:	JACQUES VAN DEN HEUVEL, *Agrégé de l'Université*
LECTURER:	JACQUES GUICHARNAUD, *Agrégé de l'Université*
INSTRUCTOR:	EDWARD P. MORRIS, A.B.

Students majoring in French are required to take the first year course, the two second year courses, and one advanced literature course. Students who spend their Junior year in France may substitute an advanced literature course for French 202.

Allied subjects: any other language or literature, History, History of Art, Music, Philosophy, Economics, Politics.

1. *Elementary French:* Mr. Morris.
2. *Intermediate French:* Mr. van den Heuvel, Mr. Morris.
101. *French Literature from the* Chanson de Roland *to 1715: Practical Exercises in the French Language:* Dr. Gilman, Dr. Marti, Mr. Guicharnaud, Mr. Morris.
201. *French Literature from 1715 to 1900:* Dr. Gilman, Mr. van den Heuvel.
202. *French Composition and Diction:* Dr. Gilman, Mr. van den Heuvel, Mr. Guicharnaud.
[301. *Introduction to Medieval French Literature and Philology.*]
[302. *French Poetry from Villon to Valéry.*]
303. *French Thought of the Sixteenth, Seventeenth and Eighteenth Centuries:* Mr. van den Heuvel.

The chief writers studied are Montaigne, Descartes, Pascal, Voltaire, Diderot, and Rousseau.

[1] On leave of absence for the year 1949-50.

[304. *French Drama of the Seventeenth Century.*]
[305. *The French Novel of the Eighteenth and Nineteenth Centuries.*]
306. *French Literature of the Twentieth Century:* Mr. Guicharnaud.
[307c. *Advanced Training in the French Language.*]

JUNIOR YEAR ABROAD

Students majoring in French may by a joint recommendation of the Dean of the College and the Department of French be allowed to spend their Junior year in Paris under the Junior Year in France Plan, now under the auspices of Sweet Briar College.

FINAL EXAMINATION

The final examination is in three parts:

1. An oral examination to test the student's use of the French language.
2. A three-hour written examination on a period of French literature.
3. A three-hour written examination on the development of a literary genre through French literature.

HONORS WORK

On the recommendation of the department, students in their senior year will be admitted to honors work consisting of independent reading, reports and conferences.

Geology

PROFESSORS: EDWARD H. WATSON, Ph.D.
LINCOLN DRYDEN, Ph.D.
ASSOCIATE PROFESSOR: DOROTHY WYCKOFF, Ph.D.
DEMONSTRATORS: ELIZABETH B. KALTENTHALER, A.B.
JANE H. WALLACE, M.A.

Students majoring in Geology are required to take the first year course (101a and 101b), the two second year courses, and one advanced course.

Allied subjects: Biology, Chemistry, Physics, and, in special cases, other subjects.

101a. *Physical Geology:* Dr. Watson and demonstrators.

A study of the atmosphere, weathering, stream action, oceans, glaciers, earthquakes, and volcanoes, and of the structures to which they give rise. Three lectures, two afternoons of laboratory or field work a week.

101b. *Historical Geology:* Dr. Dryden and demonstrators.

The physical and biological development of the earth to the beginnings of historical times. Three lectures, two afternoons of laboratory or field work a week.

201. *Mineralogy:* Dr. Watson.
Crystallography, descriptive and determinative mineralogy, and elementary economic geology. Three lectures, two afternoons of laboratory or field work a week.

[202. *Paleontology:* Dr. Dryden.]
A systematic survey of animal phyla with special reference to their stratigraphic significance. Three lectures, one afternoon of laboratory a week.

[301. *Structural and Field Geology:* Dr. Watson.]
The origin and analysis of the structures of igneous, sedimentary, and metamorphic rocks, and geological surveying. Three lectures, two afternoons of field work or laboratory a week.

302. *Stratigraphy:* Dr. Dryden.
A survey of the stratigraphy of selected regions in Europe and North America, and study of special problems of correlation and interpretation. Three lectures, one afternoon of laboratory a week.

303. *Optical Mineralogy* (first semester) and *Petrology* (second semester). Dr. Wyckoff.
The optical properties of minerals and the use of the petrographic microscope. Discussion of the origin and differentiation of igneous rocks. Two lectures, about twelve hours of laboratory a week. Credit: 1½ units.

[304.* *Cartography:* Dr. Watson, Dr. Wyckoff.]
Field surveying, drafting, photogrammetry, elementary geomorphology, and general cartography. Open to students without previous work in geology. Two lectures, two afternoons of laboratory a week.

[305. *Geography:* Dr. Wyckoff.]
Discussion of geographic factors such as climate, soils, vegetation, land forms and mineral resources. General principles of economic and political geography. Three lectures, one afternoon of laboratory a week.

306.* *The Development of Scientific Thought:* Dr. Wyckoff, Dr. Oppenheimer.
(See Interdepartmental Course 203, page 74.)

Final Examination

The final examination for students majoring in geology is in three parts:

1. An examination in general geology (required of all students).
2. An examination in *one* of the following fields:
 a. Crystallography, crystal structure, crystal optics
 b. Optical mineralogy, petrographic methods, petrology
 c. Structural geology, field methods
 d. Paleontology, stratigraphy, physiography
 e. Crystallography and mineralogy.

3. *One* of the following:
 a. An examination in a second field of geological study in Group 2
 b. A general examination in an allied field approved by the department
 c. A written report on the results of a special piece of field or laboratory work.

HONORS WORK

Honors work in any of the advanced fields is offered to any student who has completed the first two years in geology with distinction.

German

PROFESSORS: MAX DIEZ, Ph.D.
FRITZ MEZGER, Ph.D.
ASSOCIATE PROFESSOR: MYRA RICHARDS JESSEN, Ph.D.
INSTRUCTORS: MARTHA MEYSENBURG DIEZ, M.A.
HEINZ POLITZER

Students majoring in German should take four courses above the elementary level: of these at least one should be advanced. To improve their command of spoken German a summer abroad or at the German School of Middlebury College is strongly recommended.

Allied subjects: History 101 (strongly recommended), 203, 204, 205, 301; any language or literature; History of Art 202, 203, 301; Music 101, 201, 301c; and Philosophy 201a, 301a and 302b.

1. *Elementary German (Reading):* Dr. Diez, Dr. Jessen, Mrs. Diez, Mr. Politzer.
2. *Elementary German (Speaking):* Dr. Diez, Dr. Jessen, Mr. Politzer.

101c. *Intermediate Training in Spoken German:* Mrs. Diez.

102. *Introduction to German Literature:* Dr. Diez.

201. *German Life in Town and Country:* Dr. Jessen.
Oral and written discussion of readings on German life.

202. *The Age of Goethe:* Dr. Diez.

[203.* *Language and Civilization:* Dr. Mezger.]

[301. *Advanced Training in Translation:* Dr. Diez.]

[302. *History of German Civilization:* Dr. Diez.]

303. *Classics of the Nineteenth Century:* Dr. Diez.

304. *German Literature from 1850 to 1935:* Dr. Mezger.

305. *Introduction to German Philology:* Dr. Mezger.
This course is given as History of the German Language, *or* Old High German and Middle High German Literature.

306. *The German "Novelle":* Dr. Jessen.

307. *German Drama:* Dr. Jessen.

308. *The German Lyric:* Mr. Politzer.

JUNIOR YEAR ABROAD

Students of unusual ability may be recommended for the Junior Year in Zurich or Munich under the direction of the American Council on College Study in Switzerland or of the German Junior Year Inc. Prerequisite: German 2.

FINAL EXAMINATION

The final examination for students majoring in German consists of three papers:

1. An examination in German on the literature and civilization of Germany.
2. One of the following:
 a. History of the German Language
 b. The German Drama
 c. German Poetry
 d. The German Novel
 e. European History
 f. History of German Art
 g. History of German Music
 h. German Philosophy
3. One of the following:
 a. Middle High German Literature
 b. The Classical Period 1750-1805
 c. German Romanticism from Novalis to Nietzsche
 d. The Age of Realism 1830-1885
 e. The Modern Period 1885-1930
 f. An allied subject if none has been offered under Group 2.

HONORS WORK

Special work for honors is offered to students of unusual ability.

Greek

PROFESSOR: RICHMOND LATTIMORE, Ph.D.
ASSISTANT PROFESSOR: MABEL LOUISE LANG, Ph.D.
INSTRUCTOR: CYNTHIA GEE, B.A.

PROFESSOR OF CLASSICAL ARCHAEOLOGY: RHYS CARPENTER, Ph.D., Litt.D.

Students majoring in Greek are required to take Elementary Greek, the first year course, the second year course, and one advanced course, to be decided in consultation with the department.

Allied subjects: Ancient History, Archæology, any language, Philosophy.

1. *Elementary Greek:* Dr. Lang.

101. *Plato* (first semester); *Greek Tragedy* (second semester): Miss Gee.

Private reading and prose composition are required.

102c. *Homer:* Miss Gee.

Offered for students who have begun Greek in College and for those who do not offer Homer for entrance.

[201. *Demosthenes, Thucydides* (first semester); *Greek Tragedy* (second semester).]

Private reading and prose composition are required.

[202c. *Herodotus* (first semester); *Plato* (second semester).]

302. *Attic Tragedy, Attic Orators, Historians, Plato, Pindar, Melic Poets, Homer, Composition:* Dr. Lattimore, Dr. Lang.

The student selects her work from these fields and authors in consultation with the department.

203.* *Greek Literature in Translation:* Dr. Lattimore, Dr. Lang.

FINAL EXAMINATION

The final examination for students majoring in Greek consists of:

1. Sight Translation of Greek to English.
2. Two papers from the following fields: Homer, Attic Tragedy, Lyric Poetry and Aristophanes, Fifth-century Historians, Fourth-century Attic Prose.

HONORS WORK

Honors may be taken either in conjunction with advanced courses or after their completion.

History

PROFESSORS: HELEN TAFT MANNING, Ph.D., LL.D.
CAROLINE ROBBINS, Ph.D.
FELIX GILBERT, Ph.D.

ASSOCIATE PROFESSORS: JOHN CHESTER MILLER, Ph.D.
GEORGE P. CUTTINO, D.Phil.

PROFESSOR OF LATIN: THOMAS ROBERT SHANNON BROUGHTON, Ph.D.

Students majoring in history must take the first year course unless they have entered college with satisfactory preparation in the field of European history. Any substitution must be approved by the department. They must take two second year courses and one advanced course.

Allied work: students interested in modern European or American history are advised to take courses in economics or politics as allied work. Students interested in medieval history are advised to take courses in history of art or Latin, especially medieval Latin. Students interested in ancient history are advised to take courses in the ancient languages, classical archæology or philosophy.

Advanced courses in English, French, German, and Russian literature and the course in anthropology are also accepted as allied work with the consent of the Department.

101. *Medieval and Modern Europe:* Dr. Robbins, Dr. Manning, Dr. Cuttino, Dr. Gilbert.

201. *History of England to 1783:* Dr. Robbins.

202. *History of the United States 1760-1943:* Dr. Miller.

[203. *Economic and Social History:* Dr. Manning, Dr. Robbins.]
Among the topics studied will be: movements of peoples; minorities; development and nature of primitive, nomad, manorial and modern agriculture; trade routes, markets and fairs; changing classes of society; the factory; joint stock and international companies; imperial, fascist and other economic policies; the development of money and banking.

[204a. *Medieval Civilization:* Dr. Cuttino.]
A survey of western European history from the fifth to the twelfth century. Among the topics covered will be: decline of the ancient world; the barbarians; the early church; the Byzantine empire; the Arab empire; the West after Justinian; the Carolingian empire and renaissance; feudalism; the revival of western civilization; the crusades.

[204b. *History of the Renaissance:* Dr. Cuttino.]
A survey of western European history from the twelfth century to the age of the discoveries. Among the topics covered will be: the growth of western monarchies; the twelfth-century reformation and renaissance; the new secularism; Dante; the later middle ages; the Italian Renaissance to 1517.

205a. *History of the Enlightenment:* Dr. Robbins.
A survey of European History between the Renaissance and the French Revolution. Amongst the topics discussed will be the development of absolutism and the decline of the medieval estates system; the benevolent despots; the counter-reformation, the Jansenists, and the growth of scepticism; frontiers and armies of the seventeenth and eighteenth centuries; historians and scientists of the period; crime, punishment and social reform.

205b. *Revolutionary Europe 1787-1848:* Dr. Manning.

207.* *Ancient History:* Dr. Broughton.

[208. *History of Russia:* Dr. Gilbert.]
Semester one deals with the Russia of Tsarism, the second semester with Soviet Russia.

301. *History of Europe since 1890:* Dr. Gilbert.

302a. *Rise of the Americas:* Dr. Miller.
The French, Spanish, and British colonial empires; the revolutionary movements and the development of the Latin-American states to the present day.

[303a. *Social and Intellectual History of the United States:* Dr. Miller.]

[304a. *English History in the Nineteenth Century:* Dr. Manning.]

305a. *Renaissance and Reformation:* Dr. Gilbert.

European history in the fifteenth and sixteenth centuries. Emphasis will be placed on the change in political and social institutions and in intellectual life, which occurred during these centuries.

FINAL EXAMINATION

The final examination for students majoring in history consists of three papers, one of which must be on the History of the Continent of Europe and will be four hours in length. The fields may be selected from one of the following:

1. Ancient History.
2. History of the Continent of Europe from 378 to 1618.
3. History of the Continent of Europe from 1618 to the Present.
4. History of England to 1603.
5. History of England from 1603 to the Present, including the History of the British Empire.
6. History of the United States.
7. History of Russia.

But with the consent of the departments concerned, a student may write one of her three papers in a field of allied work.

In case of a student who has completed the course work in English or American history, and has devoted a part of her time in her senior year to the study of source material and bibliography for a special period such as that of the American Civil War or the Puritan Revolution, one examination of two or three hours in length will be limited in scope and intensive in character. A similar examination will be set for students of Ancient or Medieval History where there is need for it.

HONORS WORK

Students admitted to this work meet the instructor each week for the discussion of reading in a selected period. An essay based on source material must be presented before May 1st. The award of the degree with distinction in history will depend on the character of this honors paper and on the candidate's performance in the final examination.

History of Art

PROFESSOR:	ALEXANDER COBURN SOPER, M.F.A., Ph.D.
ASSOCIATE PROFESSORS:	JOSEPH CURTIS SLOANE, M.F.A.
	RICHARD BERNHEIMER, Ph.D.
CURATOR OF SLIDES AND PHOTOGRAPHS:	HENRIETTA HUFF LANDES, A.B.
ASSISTANTS:	LUCILLE FEIDEN, A.B.
	HENDERSON WOLFE, A.B.
	MARIANNE WINTER MARTIN, M.A.

Students majoring in the history of art are required to take four full courses (or the equivalent): the first year course, one of the second year courses, and two other courses, one of which shall be considered as an advanced course.

Allied subjects: Classical Archæology, English, French, German, History, Music, Philosophy.

All courses are illustrated with lantern slides. A large collection of photographs is available for study.

In cooperation with the department, the Undergraduate Art Club offers studio practice in creative art. The studio is open to all interested students several afternoons a week throughout the year. There is no tuition fee and academic credit is not granted for this work.

101. *An Introduction to the History of Art:* Dr. Bernheimer, Mr. Sloane.

A philosophical, technical, and historical introduction to the field of the fine arts. Laboratory work in basic principles of design, color, and technique will be required in conjunction with the lectures. Three lectures, one hour of conference, and two hours of laboratory each week.

201.* *Italian Art:* Dr. Bernheimer.

The arts of Italy from the thirteenth to the end of the fifteenth century are discussed in the first semester. The second semester covers the later phases of Italian art with some consideration of its influence on the Baroque in Spain and Germany.

[202. *Mediæval Art:* Dr. Soper, Dr. Bernheimer.]

The first semester covers the early mediæval period, the second the Romanesque and Gothic.

203a. *Northern Renaissance Art:* Dr. Soper.

From its beginnings through Breughel.

204b. *Northern Baroque Art:* Mr. Sloane.

From the late sixteenth century to the classic revival in the eighteenth century.

301.* *Art of the Far East:* Dr. Soper.

Chinese and Japanese art from the earliest dynasties to the present, including a survey of Indian art as an introduction to Buddhism in the Far East.

302. *Modern Art:* Mr. Sloane, Dr. Soper.

In the first semester the pictorial arts are traced from David to the present day. In the second semester, the architecture and sculpture of the same period are discussed.

FINAL EXAMINATION

The final examination for students majoring in the history of art consists of three parts of three hours each:

1. An examination conducted with slides and/or photographs testing the student's ability to identify important monuments and to analyze stylistic and iconographic elements within the field of major concentration.
2. A written examination on fundamental problems of style, evolution and cultural relationships in art.
3. A detailed examination on *one* of the following fields chosen from the broader field of major concentration:
 a. Early Medieval Art
 b. Romanesque and Gothic Art
 c. Art of the Northern Renaissance
 d. Italian Art after 1300
 e. Art of the Seventeenth and Eighteenth Centuries
 f. Modern Art (after 1800)
 g. Art of the Far East.

HONORS WORK

Honors work is offered to students recommended by the department.

History of Religion

PROFESSOR OF ENGLISH LITERATURE: SAMUEL CLAGGETT CHEW, Ph.D.
ASSOCIATE PROFESSOR OF LATIN: AGNES KIRSOPP MICHELS, Ph.D.

Instruction offered in the History of Religion and in Biblical Literature is not organized on the scale of a regularly constituted department; there is no major work in either subject.

101a.* *The Rise of Judaism:* Dr. A. K. Michels.
The reading is taken, as far as possible, from the original sources.

101b.* *Early Christianity:* Dr. A. K. Michels.
The reading is taken, as far as possible, from the original sources.

[102c.* *Christianity in the Roman Empire:* Dr. A. K. Michels.]
The reading is taken, as far as possible, from the original sources.

103.* *Literary History of the Bible:* Dr. Chew.
The English Bible from the point of view of origins and literary forms.

Italian

ASSOCIATE PROFESSOR: ANGELINE HELEN LOGRASSO, Ph.D.

Students majoring in Italian are required to take the first year course in the Italian language, the two second year courses, the advanced course in Dante, and one other advanced course.

Allied subjects: History, History of Art, Philosophy, any other language or literature; certain courses in other fields with departmental approval.

Attention is called to two elective half-courses in Italian literature in English translation for students who have no knowledge of Italian. By special arrangement they may be expanded into full courses. For the required reports in these courses students may choose topics related to their major subject.

101. *Italian Language:* Dr. Lograsso.
A practical knowledge of the language is acquired through speaking, hearing, writing, and reading, going from concrete situations to the expression of abstract ideas and with a gradual introduction to the reading of contemporary texts. A modified Army method is used.

[102c.* *Dante in English Translation:* Dr. Lograsso.]
The *New Life* and *Divine Comedy.*

[103c.* *Literature of the Italian Renaissance in English Translation:* Dr. Lograsso.]
From Petrarch to Tasso; pastoral literature; literary criticism and aesthetic theories of the Renaissance with special reference to their influence on other literatures.

201. *Classics in Italian Literature:* Dr. Lograsso.
Reading and explanation of texts, with a study of literary history; conducted mostly in Italian.

202c. *Intermediate Course in the Italian Language:* Dr. Lograsso.
Topics are assigned for composition and discussion in Italian.

[301. *Dante:* Dr. Lograsso.]
The *Vita Nuova* and *Divina Commedia,* with some attention to the minor works.

[302c. *The Italian Language:* Dr. Lograsso.]
Advanced work in composition.

[303. *Italian Literature of the Rinascimento:* Dr. Lograsso.]

[304. *Italian Literature of the Romantic Period:* Dr. Lograsso.]

Junior Year Abroad

Students approved by the Department and the Dean of the College may be recommended for the Junior year in Perugia and Florence under the auspices of the Smith College Group.

Final Examination

The final examination consists of three parts:

1. The Italian Language: ability to speak and understand the spoken idiom; ability to write it.
2. Italian Literature and Literary History.
3. The study of a single genre or topic throughout Italian literature, or a paper on an allied subject.

For the second part the emphasis may be placed on the Medieval, Renaissance, Romantic, or Modern period.

Honors Work

After the completion of the second year course a student may be recommended for honors in Italian. The student works in a special field adapted to her own interest under the direction of the department.

Latin

Professors: Lily Ross Taylor, Ph.D., Litt.D.
Thomas Robert Shannon Broughton, Ph.D.

Associate Professors: Berthe Marie Marti, Ph.D.
Agnes Kirsopp Michels, Ph.D.

Students majoring in Latin are required to take *either* Latin 101 or 102, 201, and 301 or 302 *or,* for students who enter with four units, Latin 201, 202, and 301 or 302.

Allied subjects: Ancient, Medieval, and Renaissance History, Classical Archæology, Greek, History of Religion, Philosophy, any modern language or literature.

101. *Latin Literature:* Dr. Broughton, Dr. Michels.

Prerequisite: Three units of entrance Latin. Selections *either* from Vergil's *Aeneid or* from prose authors, such as Cicero and Livy (according to the preparation of the students), from Lucretius, and Vergil's *Eclogues* and *Georgics.*

102.* *Classical Culture in the Middle Ages:* Dr. Marti.

Prerequisite: Three units of entrance Latin. The reading in the first semester will include selections from St. Augustine's *Confessions,* Boethius' *Consolation of Philosophy* and the Venerable Bede. In the second semester emphasis will be placed on the Renaissance of the twelfth century, with reading from the religious and secular poets, the schoolmen and the historians.

201. *Latin Literature of the late Republic and the early Empire:* Dr. Michels, Dr. Taylor.

Prerequisite: Four units of entrance Latin *or* Latin 101 *or* 102. The reading in the first semester will include selections from the poems of Catullus and the *Odes* of Horace; in the second semester selections from the *Satires* and *Epistles* of Horace, the *Satires* of Juvenal, the *Epigrams* of Martial and the Letters of Pliny.

202a. *Early Latin Literature:* Dr. Broughton.

Prerequisite: Latin 201. Reading of plays of Plautus and Terence, the *Annals* of Ennius, and some examples of early prose writing.

202b. *Medieval Latin Literature:* Dr. Marti.

Prerequisite: one year of Latin in college. Latin literature from the fourth to the end of the twelfth century with special emphasis upon the development of the chief literary *genres.* The reading includes selections from the most important Medieval Latin writers.

203c. *Latin Prose Style:* Dr. Michels, Dr. Broughton.

Weekly exercises in the writing of Latin prose, and study of the style of Cicero, Cæsar, and Livy.

[301a. *Vergil's Georgics and Aeneid:* Dr. Michels.]

[301b. *Livy's History and Tacitus's Annals:* Dr. Broughton.]

302a. *Lucretius and Catullus:* Dr. Taylor.

The *De Rerum Natura* of Lucretius and the longer poems of Catullus.

302b. *Cicero and Cæsar:* Dr. Broughton.

Extensive selections from Cicero's *Orations* and *Letters* and from Cæsar's *Commentaries.* Chief emphasis is placed on the social and political history of the period.

FINAL EXAMINATION

The final examination for students majoring in Latin consists of three three-hour papers in the following fields:

1. Latin Sight Translation.
2. An examination on one of the following subjects:
 a. Latin Literature of the Republic
 b. Latin Literature of the Empire
 c. Latin Literature of the Ciceronian and Augustan Age
 d. Roman History from the Sources (100 B.C. to 70 A.D.).
3. An examination on one of the following subjects:
 a. An allied subject (Students are advised if possible to take the third paper in Greek)
 b. A second subject from Group 2 (Choice must avoid duplication of material)
 c. The development in Latin literature of an important literary type
 d. An important period or type in Medieval Latin Literature
 e. Latin Prose Style.

HONORS WORK

Qualified students will be admitted to honors work on the recommendation of the department.

Mathematics

Associate Professors: John Corning Oxtoby, M.A.
Marguerite Lehr, Ph.D.[1]
Assistant Professor: Lindley J. Burton, Ph.D.
Reader: Ruth Murray Fansler, A.B.

Students majoring in Mathematics are required to take Mathematics 101, 201, 202c, and two advanced courses.

Allied subjects: Chemistry, Economics, Philosophy, Physics, Psychology.

101a. *Plane Analytic Geometry:* Instructor to be announced.
The course includes the necessary topics in Trigonometry.

101b. *Differential Calculus:* Instructor to be announced.

201. *Second Year Calculus:* Instructor to be announced.
Integral Calculus, Infinite Series, Differential Equations.

202c. *Solid Analytic Geometry and Algebra:* Instructor to be announced.

A selection from the following courses is offered each year according to the needs of the students.

301. *Advanced Calculus:* Instructor to be announced.
Prerequisite: Mathematics 201.

302a. *Introduction to Geometric Theories:* Dr. Lehr.
Prerequisite: Mathematics 202c.

303b. *Introduction to Abstract Algebra:* Instructor to be announced.
Prerequisite: Mathematics 202c.

304a. *Theory of Probability and Statistics:* Dr. Lehr.
Prerequisite: Mathematics 201.

310. *Theory of Functions of a Complex Variable:* Instructor to be announced.
Prerequisite: Mathematics 301.

[311b. *Differential Equations:* Mr. Oxtoby.]
Prerequisite: Mathematics 301 (may be taken concurrently).

Final Examination

The final examination for students majoring in mathematics consists of three parts:

1. An examination in analysis.
2. An examination in geometry.
3. One of the following:
 a. An examination in algebra, in applied mathematics, or in some particular branch of advanced analysis or advanced geometry
 b. An examination in an allied field approved by the department
 c. A written report based on intensive study of one of the subjects listed in group (a).

Honors Work

Honors work is offered in this department to qualified students.

[1] Granted leave of absence for the second semester.

Music

PROFESSOR:	HORACE ALWYNE, F.R.M.C.M.
ASSISTANT PROFESSOR:	ROBERT L. GOODALE, A.B., B.Mus., A.A.G.O.
READER:	ELIZABETH BOOTH, A.B.
LEADER OF ORCHESTRA AND ENSEMBLE GROUPS:	WILLIAM REESE, Ph.D.

The courses in Music are all free electives. They are so arranged that a student may pursue the subject during the four years of college. No credit will be given for courses in this department unless the work of both semesters is completed.

Students in the courses in History and Appreciation of Music must devote two hours or more a week to listening to gramophone records assigned by the department.

The College Chorus of eighty members, which also takes part in the College Services, and the Orchestra and Ensemble groups are organized under the direction of the Department of Music. On several occasions during the year the chorus of Bryn Mawr College and the choruses of various men's colleges, as well as the instrumental groups of Bryn Mawr College and Haverford College collaborate in performances of special works.

101.* *History and Appreciation of Music:* Mr. Alwyne.
A comprehensive survey from the period of Bach to the end of the nineteenth century, with special emphasis on the technique of intelligent listening.

201.* *Advanced History and Appreciation of Music:* Mr. Alwyne.
A more amplified and intensive study of nineteenth century music. The Symphonic Poem, Art-Song and Music-Drama. Expansion of orchestral and pianoforte technique; development of symphonic and chamber-music forms; growth of Nationalism.
Prerequisite: Music 101 or its equivalent.

301c.* *Third Year History and Appreciation of Music:* Mr. Alwyne.
The development of Opera and Music-Drama. The trends of Modern Music and significant representative works.
Prerequisites: Music 101 and 201 or their equivalents.

102.* *Elementary Harmony:* Mr. Goodale.
Principles of melodic writing, in one and two voices. Harmony in four voices. Triads in root position, first and second inversions; 7th chords; modulation. Formal and harmonic analysis. Sight singing and dictation.

202.* *Advanced Harmony:* Mr. Goodale.
Continuation of Music 102. Original composition in the larger forms. Advanced analysis. Sight singing and dictation.
Prerequisite: Music 102 or its equivalent.

203c.* *Elementary Counterpoint:* Mr. Goodale.
Composition and analysis of counterpoint in the style of the sixteenth century.
Prerequisite: Music 102 or its equivalent.

302c.* *Advanced Counterpoint:* Mr. Goodale.
Composition and analysis in the style of Bach. This will include a study of the large contrapuntal forms.
Prerequisite: Music 102 and 203c or the equivalent.

Philosophy

PROFESSORS:	MILTON CHARLES NAHM, B.Litt., Ph.D.
	PAUL SCHRECKER, Ph.D.
ASSOCIATE PROFESSOR:	ISABEL SCRIBNER STEARNS, Ph.D.
ASSISTANT PROFESSOR:	HUGUES LEBLANC, Ph.D.
ASSISTANT:	ANNE HOWELL MARTIN, A.B.[1]

Students majoring in Philosophy are required to take the first year course, the second year half-course in German Idealism, Logic, Ethics, and Recent Philosophy, and one advanced course. With permission, students may take second-year courses for third-year credit.

Allied subjects: Biology, Economics, and Politics, English, Greek, History, Latin, Mathematics, Physics, Psychology, and certain courses in History of Religion and Social Economy.

101. *History of Philosophic Thought:* Dr. Nahm, Dr. Stearns, Dr. Schrecker and Dr. Leblanc.
Some writings of the major philosophers, classic and modern, are studied and discussed.

201a. *German Idealism:* Dr. Schrecker.
The philosophy of Kant.

201b. *Recent Philosophy:* Dr. Stearns.
The philosophies of Dewey, Whitehead, and related thinkers.

202a. *Logic:* Dr. Leblanc.
An introduction to modern logic.

202b. *Ethics:* Dr. Nahm.
The theory and problems of various types of ethics.

301a. *Aesthetics:* Dr. Nahm.
Types of aesthetic theory and problems of aesthetic experience.

301b. *Problems of Philosophy:* Dr. Leblanc.
Analysis of some problems in empiricism or existentialism.

302a. *Plato:* Dr. Stearns.
A detailed study of some of the later dialogues.

302b. *Philosophy of History:* Dr. Schrecker.
The philosophical interpretation of history, its meaning and laws.

[1] M.A. to be conferred June, 1949.

FINAL EXAMINATION

The final examination consists of three papers divided into the following groups, offering a wide choice of questions:

1. Ancient Philosophy.
2. Modern Philosophy.
3. Systematic Philosophy.

For the first two papers, selected texts of a limited number of important philosophical writers are studied. The historical relations of systems of philosophy are traced with some announced theme as a point of departure. For the third paper an important modern philosopher is studied with special emphasis on the interrelations of metaphysical, ethical, etc., problems in his system.

HONORS WORK

Honors work may be taken either in conjunction with the advanced courses or after their completion. It consists of independent private reading with frequent written reports and conferences with the instructor. The subjects chosen are not confined to the technical aspects of philosophy but, on the contrary, emphasize its connection with general literature, history and politics, or with some special field in which the student is working.

Physics

PROFESSOR:	WALTER C. MICHELS, Ph.D.
ASSISTANT PROFESSORS:	ROSALIE C. HOYT, Ph.D.
	JOHN R. PRUETT, M.S.[1]
DEMONSTRATORS:	RICHARD C. BARBERA, S.B.
	ELIZABETH A. FARRELLY[2]

Students majoring in Physics are required to take the first year course; the second year course; and at least one and one-half units of advanced work, to be chosen from courses 303-305 inclusive. They must also take first and second year work in mathematics, and if possible one advanced course in mathematics.

Several Elective Courses, not usually required of majors, are given only when requested.

Allied subjects: Chemistry, Mathematics.

101. *Introduction to Modern Physics:* Dr. Michels and Mr. Pruett.

Three lectures, four hours laboratory a week.

206. *Mechanics and Heat:* Mr. Pruett and Dr. Michels.

Three lectures, four hours laboratory a week. Prerequisites: Physics 101, Mathematics 101, Mathematics 201 (may be taken concurrently).

[1] Ph.D. to be conferred August, 1949.
[2] Sc.B. to be conferred June, 1949.

[251c.* *Meteorology:* Dr. Michels.]
Four hours lectures and laboratory a week. Prerequisite: Physics 101 or Mathematics 101.

[252c.* *Astronomy:* Dr. Michels.]
Prerequisite: Physics 101, or first and second year work in any natural science or mathematics.
Two lectures, one evening of laboratory a week.

303. *Introduction to Experimental Physics:* Dr. Michels.
Three lectures, four hours laboratory a week. Prerequisites: Physics 206 and Mathematics 201 (either may be taken concurrently).

304. *Introduction to Theoretical Physics:* Dr. Hoyt.
Four lectures a week. Prerequisites: Physics 206, Mathematics 201, and Physics 303 (may be taken concurrently).

305. *Physical Measurements:* Dr. Michels and Dr. Hoyt.
Four hours laboratory a week. Prerequisites: Physics 303 or Physics 304 (either may be taken concurrently).

351.* *Application of Physics to Biology and Chemistry:* Dr. Hoyt.
Three lectures, four hours laboratory a week. Prerequisites: Physics 101 and Mathematics 101 and second year work in either Chemistry or Biology.

Final Examination

The final examination for students majoring in physics is in three parts:

1. Foundation of Physical Theory (required of all students).
2. Descriptive Physics (required of all students).
3. An examination in a special field of physics. The allowed subjects include:
 Electricity and Magnetism
 Optics
 Classical Mechanics and Special Relativity
 Acoustics
 Thermodynamics and Statistical Mechanics
 Mechanics of the atom

Honors Work

Honors work may be taken by seniors recommended by the department. It consists of reading and experimental work on some problem of physics.

Psychology

Associate Professors:	Magda Blondiau Arnold, Ph.D.
	Rachel Dunaway Cox, Ph.D.
Assistant Professor:	Joe Kennedy Adams, Ph.D.
Instructor:	Murray Gordon de Jersey, M.A.
Demonstrator:	Eileen Beier Maher, M.A.

Students majoring in Psychology are required to take the first year course, all the second year courses, and of the advanced courses, either Psychology 301 or Psychology 302a and 302b.

Allied subjects: Anthropology, Biology, Mathematics, Philosophy, Physics, Sociology, and Statistics.

101. *General Psychology:* Dr. Arnold and Dr. Adams.
A systematic survey of the basic facts and principles in the various fields of psychology. Three lectures, two hours of laboratory a week.

201b. *Social Psychology:* Dr. Adams.
A study of the psychological determinants of social behavior. Three lectures a week. Prerequisite: Psychology 101.

202b. *Mental Tests and Measurements:* Dr. Cox.
Construction, use, and interpretation of psychological tests. Three lectures, two hours laboratory a week. Prerequisite: Psychology 101.

203a. *Comparative Psychology:* Mr. de Jersey.
A comparative study of the behavior of animals and men. Three lectures a week. Prerequisite: Psychology 101.

204a. *Experimental Psychology:* Dr. Adams and Mr. de Jersey.
A survey of the psychological processes (sensation, perception, attention) which have lent themselves most readily to experimental methods. Three lectures, four hours laboratory a week. Prerequisite: Psychology 101.

[301. *Advanced Experimental Psychology:* Dr. Adams.]
About six weeks are devoted to a consideration of psychophysical and statistical methods, after which the student's time is given to experimental work on a selected problem. Students must obtain the consent of the instructor before registering for this course. Prerequisites: Psychology 101, 204a.

302a. *Clinical Psychopathology:* Dr. Arnold.
The psychodynamics of abnormal behavior, clinical types, methods of investigation, and principles of psychotherapy. The clinic is conducted by Dr. Edward A. Strecker, Professor of Psychiatry, School of Medicine, University of Pennsylvania. Prerequisites: Psychology 101, 201a, 202b, 203a, 204b.

302b. *Psychology of Personality:* Dr. Arnold.
The study of the problems of development and organization of personality. Prerequisites: 101, 201b, 302a.

Final Examination

The final examination for students majoring in psychology is in three parts:

1. General Psychology covering the first two years (required of all students).

2. An examination in *one* of the following fields of psychological study:
 a. Abnormal Psychology
 b. Comparative Psychology
 c. Experimental Psychology
 d. Mental Tests and Measurements
 e. Social Psychology.
3. An examination in one of the following subjects:
 a. A second field under Group 2
 b. A written report on the results of a special investigation in experimental psychology.
 c. An examination in a field of psychology not in Group 2 and approved by the department.

HONORS WORK

One unit of honors work may be taken by students recommended by the department.

Russian

ASSISTANT PROFESSOR: FRANCES DE GRAAFF, Ph.D.

ASSOCIATE PROFESSOR OF ENGLISH: BETTINA LINN, M.A.

1.* *Elementary Russian:* Dr. de Graaff.

2.* *Intermediate Russian:* Dr. de Graaff.

Composition and conversation; reading in Russian classics and contemporary material. Prerequisite: Elementary Russian.

201.* *Russian Literature in Translation:* Miss Linn.

The leading Russian writers of the 19th century in translation. Students registering for the course should read in the preceding summer the following novels: Dostoevsky's *Crime and Punishment,* Tolstoi's *War and Peace,* and two of Turgenev's novels.

301.* *Russian Literature of the Twentieth Century:* Dr. de Graaff.

Literary movements and readings from the works of representative writers. Conducted in Russian. Prerequisite: Russian 2 or equivalent.

Sociology and Social Economy

The Carola Woerishoffer Department
of
Social Economy and Social Research

PROFESSOR: FLORENCE PETERSON, M.A.
ASSOCIATE PROFESSORS: HERTHA KRAUS, Ph.D.
FREDERICA DE LAGUNA, Ph.D.

Appointment to be announced.

Students majoring in Sociology are required to take the first year course, two full second year courses, and the advanced course.

Allied subjects: Economics, History, Philosophy, Politics, Psychology, Statistics.

102. *Cultural Anthropology:* Dr. de Laguna.
Race classification and differences, human origins and the development of culture; contemporary primitive cultures and societies.

201. *Comparative Cultural Groupings:* Instructor to be announced.
Informal social groupings, institutions, classes and castes in various countries, and ethnic groups in our society, with reference to structure and attitudes. Special attention is given to the Family as an institution.

202a. *Principles of Social Welfare:* Dr. Kraus.
Study of the principal social problems in modern industrial society and the means adopted for their solution by public and private agencies.

202b. *Child Welfare:* Dr. Kraus.
Basic problems and methods of providing social and health services for children.

203a. *The Labor Movement:* Miss Peterson.
History of the American Labor Movement with emphasis upon the political and economic factors which have influenced its development and present characteristics; causes of labor disputes and methods for settlement.

203b. *Employer-Labor Relations:* Miss Peterson.
Significance of collective bargaining; legal aspects; nature of the collective bargaining contract in various industries; wage determination; personnel policies and practices..

204.* *American Archæology:* Dr. de Laguna.

205. *Ethnology:* Dr. de Laguna.
Method and theory; cultural dynamics; relationship of the individual to culture.

310a. *Social Research Methods:* Instructor to be announced.
Collection, analysis and presentation of social data; discussion of current investigations in sociology, their methods and uses.

310b. *Social Theory:* Instructor to be announced.
Factors involved in the sociological interpretation of society and culture; nature of social interaction, control and change, with particular concern for the social problems involved.

FINAL EXAMINATION

The final examination for students majoring in Sociology is in three parts:

1. Social Investigation and Theory
2. Social Institutions
3. Choice of the following:
 a. Social Welfare
 b. Labor
 c. Ethnology.

Spanish

DEAN OF THE COLLEGE: DOROTHY NEPPER MARSHALL, Ph.D.
ASSISTANT PROFESSOR: MANUEL ALCALÁ, Litt.D.
LECTURER: JOSÉ MARIA FERRATER MORA, *Licenciado.*
INSTRUCTOR: MARGARITA ESTEVES, M.A.

Students majoring in Spanish are required to take the first year course, at least one of the full second year courses, and the two advanced courses (one of which must be taken in the junior year). Allied subjects: any other language or literature, Economics, and Politics, History, History of Art, Music, Philosophy, and Sociology.

1. *Elementary Spanish:* Dr. Marshall and Miss Esteves.
Spanish grammar, composition and conversation; reading on the Spanish and Spanish-American background.

2. *Elementary Spanish:* Dr. Alcalá.
A five-hour course, including two hours of intensive practice in sight translation and rapid reading. One credit and a half.

3. *Intermediate Spanish:* Miss Esteves.
Intensive grammar review and exercises in composition and conversation.

101. *Introduction to Spanish Literature:* Miss Esteves.
Selected readings from *El Poema del Cid* through the Golden Age.

102c. *Intermediate Spanish Composition:* Dr. Alcalá.
Modern Spanish syntax, phonetic exercises, and practice in spoken Spanish.

[201. *Spanish Literature of the Romantic and Modern Periods.*]

202. *The Spanish Lyric:* Dr. Alcalá.
Lyrical poetry in the Hispanic countries from the beginnings to the present day. Collateral reading and reports.

202c. *Advanced Composition:* Mr. Ferrater Mora.
Readings in Cervantes and the dramatists of the Golden Age with intensive practice in writing.

[203. *The Spanish Novel:* Dr. Marshall.]
The history of the novel in Spain from the beginnings to the present day. Collateral reading and reports.

[301. *The Age of Cervantes.*]

[302. *Spanish Drama of the Golden Age.*]

303. *Spanish Thought of the Nineteenth and Twentieth Centuries:* Mr. Ferrater Mora.

JUNIOR YEAR ABROAD

Students who major in Spanish may be recommended by the Department for the Junior Year in Mexico under the direction of Smith College.

FINAL EXAMINATION

The final examination for students majoring in Spanish consists of three parts:

1. An oral examination consisting of the explanation and interpretation of a Spanish text in Spanish.
2. A three-hour written examination in Spanish on a period in Spanish literature, such as the Renaissance, Romanticism, or on Spanish-American literature.
3. A three-hour written examination in Spanish on the development of a literary genre, such as the drama, the novel, the lyric, through Spanish literature *or* a similar examination on an allied subject related to the student's Spanish field.

HONORS WORK

Honors work is offered to students recommended by the department.

Interdepartmental Courses

The following courses are given by several departments in co-operation. The object is to cut across well defined areas of knowledge and to show the relationships existing among them.

[202. *Aspects of Eighteenth Century Life and Thought:* Dr. Manning, Dr. Northrop, Miss Stapleton.]

203. *The Development of Scientific Thought:* Dr. Wyckoff, Dr. Oppenheimer.

The study of the development of scientific ideas and techniques in chronological sequence, and their origins, interrelationships, and impact on other intellectual activities of various periods. Open to students who have had one year of laboratory science in college. (This course is also listed as Biology 307 and Geology 306*.)

[211. *The Theory and Practice of Democracy:* Dr. Wells, Miss Stapleton, Dr. Stearns, Dr. Hubbard.]

The fundamental concepts of democracy and their expression in governmental institutions; their relationship to contemporary political problems. Open to juniors and seniors who have taken one year of History, Economics, Politics or Philosophy, and to other students with the permission of the instructors. (This course is also listed as Politics 211.)

Physical Education

DIRECTOR:	IRENE A. CLAYTON, M.S.
ASSISTANT DIRECTOR:	ETHEL M. GRANT
INSTRUCTORS:	JANET YEAGER
	EMELIA-LOUISE KILBY, M.A.

Through the offerings in the Physical Education Department, students are given opportunities to participate in varied fields of

both individual and team sports, dance and aquatic activities. Class instruction during the first two years enables the student to learn new skills or to improve her techniques. Interclass, Interdormitory, and Varsity schedules of games and tournaments offer all students the experience of competition in sports. Creative interest in Modern Dance is encouraged through class work and extra-curricular programs. In cooperation with the Athletic Association, the Department sponsors Square Dance nights and Winter Sports trips. It seeks the interests of students in furthering bicycle trips and canoe trips and other types of informal recreational activities.

The freshman requirement in Physical Education consists of three periods a week throughout the year; for the fall and winter terms one of these periods will be given over to the study of fundamental principles of good movement. The sophomore requirement consists of two periods a week throughout the year. All students must complete the freshman and sophomore requirements satisfactorily, and must pass the swimming test administered to every new student at the beginning of the year unless she is excused by the college physician. Students unable to pass this test are expected to register for beginning swimming. All classes are open to election by upperclassmen.

Seasonal offerings of the Department from which election may be made are:

Fall: archery, beginning swimming, fencing, hockey, modern dance, riding, and tennis.

Winter: badminton, basketball, fencing, folk dance, modern dance, skating, swimming, American Red Cross Senior Life Saving and Instructor's courses, and volleyball.

Spring: archery, baseball, fencing, lacrosse, modern dance, riding, swimming, golf, and tennis.

Swimming test: one standing dive, back float two minutes, tread water one minute, bobbing twice, and swimming any stroke twenty minutes.

SCHOLARSHIPS AND AWARDS

Scholarships and awards fall into two main groups: those which are awarded solely for distinction in academic work, and those which are awarded for both distinction in academic work and need of financial aid. The former group is listed first, followed by the latter, which is subdivided according to the years in which the scholarships and awards may be held.

Applications

Applications are required for all scholarships except those awarded solely for distinction in academic work. Applications for Alumnæ Regional Scholarships should be made by March 15 preceding entrance to College. Forms may be obtained from the Alumnæ Scholarships and Loan Fund Committee, Alumnæ Office, The Deanery, Bryn Mawr, Pennsylvania. Applications for other entrance scholarships should be made by March 15 preceding admission to College on forms obtainable from the Director of Admissions. Applications for other scholarships should be made by March 15 preceding the academic year in which the scholarships are held. Forms are obtainable from the Dean of the College.

In general, nominations for scholarships are made by the Faculty Committee on Undergraduate Scholarships and by the Scholarships and Loan Fund Committee of the Alumnæ Association of Bryn Mawr College. Funded scholarships are awarded according to the expressed wishes of the donors. The Alumnæ Regional Scholarships are administered by local alumnæ committees. The holders of a few college scholarships are nominated directly by the President and those of a few others are nominated by outside organizations. All nominations must be approved by the Board of Directors. It is sometimes possible to supplement scholarship awards by additional grants.

Awards Made for Distinction in Academic Work

The Bryn Mawr European Fellowship, value $800, founded in 1889, is awarded annually to a member of the graduating class, to be applied toward the expenses of one year's study at some foreign university. For the present, it may be held in an American university. The holder of this fellowship receives in addition an Elizabeth S. Shippen Scholarship of the value of $200.

The Catherwood Foundation Fellowship, value $1000, to be given in 1949 and again in 1950, will be awarded by vote of the Faculty to a Senior for her first year of graduate study.

The Maria L. Eastman Brooke Hall Memorial Scholarship, value $100, founded in 1901 in memory of Maria L. Eastman, Principal of Brooke Hall School for Girls, Media, Pennsylvania,

by the alumnæ and former pupils of the school, is awarded annually to the member of the junior class with the highest general average and is held during the senior year.

The Charles S. Hinchman Memorial Scholarship, value $500, was founded in 1917 in memory of the late Charles S. Hinchman of Philadelphia by his family. It is awarded annually to a member of the junior class for work of special excellence in her major subject and is held during the senior year.

The Elizabeth S. Shippen Scholarships were founded in 1915 by the bequest of Elizabeth S. Shippen of Philadelphia. Three scholarships are awarded annually, one to the member of the senior class who receives the Bryn Mawr European Fellowship (see page 76), and two to members of the junior class, as follows: 1. *The Shippen Scholarship in Science,* value $100, to a student whose major subject is Biology, Chemistry, Geology, or Physics; 2. *The Shippen Scholarship in Foreign Languages,* value $100, to one whose major subject is French, German, Greek, Italian, Latin, or Spanish. To be eligible for either of these two scholarships a student must have completed at least one semester of the second year course in her major subject. Neither can be held by the winner of the Charles S. Hinchman Memorial Scholarship. Work in elementary courses will not be considered in awarding the scholarship in foreign languages.

The Sheelah Kilroy Memorial Scholarships in English were founded in 1919 in memory of their daughter Sheelah, by Dr. and Mrs. Philip Kilroy. They are awarded annually on the recommendation of the Department of English as follows: $150 to a student for excellence of work in second year or advanced courses in English, and $50 to the student in the required course in English Composition who writes the best essay during the year.

The Elizabeth Duane Gillespie Scholarship in American History, value $60, was founded in 1903 by the Pennsylvania Society of Colonial Dames of America in memory of Elizabeth Duane Gillespie. It is awarded annually on nomination by the Department of History to a member of the sophomore or junior class who has done work of distinction in History and takes one course in American History during her junior or senior year.

The M. Carey Thomas Essay Prize is awarded annually to a member of the senior class for distinction in writing. Students competing for the prize must submit manuscripts by May 1. The award will be made by the Department of English and may be given for either creative or critical writing.

The Katherine Fullerton Gerould Memorial Prize of from $40 to $50 was founded in 1946 and is awarded on May Day of each year in which material submitted justifies such award. It is open to any student showing evidence of creative ability in the fields of informal essay, short story, longer narrative, verse or playwriting.

The Jeanne Quistgaard Memorial Prize was given by the Class of 1938 in memory of their classmate, Jeanne Quistgaard, who died June 23, 1937. It may be awarded every two years to a student in Economics.

The Esther Walker Award was founded by the bequest of William John Walker in memory of his sister, Esther Walker, of the Class of 1910. It may be given annually to a member of the senior class who in the judgment of the Faculty shall have displayed the greatest proficiency in the study of living conditions of Northern Negroes.

SCHOLARSHIPS AWARDED AT ENTRANCE AND TENABLE FOR FOUR YEARS

National Scholarships are awarded annually by the Seven Women's Colleges (Barnard, Bryn Mawr, Mount Holyoke, Radcliffe, Smith, Vassar, and Wellesley). One scholarship, varying in amount from $100 to full expenses for tuition and residence, is given annually by each of the colleges in each of three areas: the west coast (Washington, Oregon, and California); three midwestern states (Kansas, Missouri, and Nebraska); and four southern states (Louisiana, New Mexico, Oklahoma, and Texas). The National Scholarships at Bryn Mawr are supported in large part by the Fanny R. S. Peabody Fund.

The applicant for the National Scholarships may list the seven colleges in order of her preference but should be willing to go to that one of the seven to which she is assigned by a Committee of Selection. Applicants for National Scholarships must apply before February 20 to Mrs. F. Murray Forbes, Jr., 21 Beaver Place, Boston 8, Massachusetts.

The Bryn Mawr Alumnæ Regional Scholarships, for varying amounts up to $650 each, are awarded in the several districts of the Alumnæ Association of Bryn Mawr College to candidates of exceptional ability who cannot meet in full the fees of the College. Application should be made before March 15 preceding entrance into College. Blanks may be obtained from the Alumnæ Scholarships and Loan Fund Committee, Alumnæ Office, The Deanery, Bryn Mawr, Pennsylvania. Awards are announced soon after the incoming students have been notified of their admission to the College. Holders of these scholarships who maintain a high standard of scholarship and conduct are assured further assistance either from local alumnæ committees or from the College.

The Trustees' Scholarships, four in number, carrying free tuition, and tenable for four years, are made available by the Trustees of Bryn Mawr College for students prepared in the high schools of Philadelphia and its suburbs. Two of these scholarships are awarded annually to candidates who have received all their preparation for entrance in Philadelphia high schools and are recommended by the Board of Public Education of Philadelphia; two are awarded annually to candidates who have received all their

preparation for entrance in public schools in the suburbs of Philadelphia and are recommended by the Director of Admissions after consultation with the principals of the schools presenting candidates.

The City Scholarships, value $200 each, are awarded to graduates of Philadelphia high schools nominated by the Board of Public Education of Philadelphia.

The Lidie C. B. Saul Scholarship, value $200, tenable for four years, is given by the Alumnæ Association of the Girls' High School and Normal School of Philadelphia. It is awarded every four years to the graduate of the Girls' High School who enters Bryn Mawr College with the highest grade of that year.

The Minnie Murdock Kendrick Memorial Scholarship, carrying free tuition, and tenable for four years, was founded in 1916 by bequest of George W. Kendrick, Jr. It is awarded every four years to a candidate nominated by the Board of Public Education of Philadelphia.

The Foundation Scholarships, carrying free tuition, and tenable for four years, may be awarded annually, upon conditions, so far as possible, similar to the Trustees' Scholarships, to members of the Society of Friends who cannot meet the full expenses of tuition and residence.

The Frances Marion Simpson Scholarships, carrying free tuition and tenable for four years, were founded in 1912 in memory of Frances Simpson Pfahler of the Class of 1906 by Justice Alexander Simpson, Jr. One scholarship is awarded each year to a member of the entering freshman class who cannot meet in full the fees of the College. In awarding these scholarships first preference is given to residents of Philadelphia and Montgomery counties who have been prepared in the public schools of these counties or at home by parents or guardians, thereafter, under the same conditions, to residents of other counties of Pennsylvania, and, in special cases, to candidates from other localities. Holders of these scholarships are expected to repay the sums advanced to them. If they become able during their college course to pay the tuition fees in whole or in part they are required to do so.

The Chinese Scholarship, awarded every four years and tenable for four years, comes in part from the annual income of a fund established in 1917, and later increased, by a group of alumnæ and friends of the College in order to maintain a Chinese student during her four undergraduate years at Bryn Mawr College.

Special Trustees' Scholarships, carrying free tuition and tenable for four years, may be awarded annually to European students.

Other Scholarships, provided through gifts from friends of Bryn Mawr College, are awarded in accordance with the terms of the gift.

SCHOLARSHIPS TENABLE IN THE FRESHMAN YEAR

The Amy Sussman Steinhart Scholarship, carrying free tuition, was founded in 1931 in memory of Amy Sussman Steinhart of the Class of 1902 by her family and friends. It is awarded annually to a student from one of the states on the west coast.

The Louise Hyman Pollak Scholarship, carrying free tuition, was founded in 1931 by the Board of Trustees from a bequest by Louise Hyman Pollak of the Class of 1908. It is awarded annually to a student from one of the central states east of the Mississippi River. Preference is given to residents of Cincinnati.

The Undergraduate Scholarship, raised and awarded by the Undergraduate Association in consultation with the President and the Director of Admissions is awarded each year to a foreign student entering Bryn Mawr. The award is variable in amount but covers as a minimum the cost of tuition.

The Alice Day Jackson Scholarships, representing the income from a fund given in 1930 by the late Percy Jackson in memory of his wife, Alice Day Jackson, are variable in amount and are awarded on recommendation of the Director of Admissions.

The Clara Bertram Little Memorial Scholarship, value $350, was founded in 1947 by Eleanor Little Aldrich in memory of her mother. It is to be held by a student from New England selected by the President on the basis of merit and financial need.

The Bryn Mawr School Scholarship, value $300, instituted in 1885 by the Board of Managers of The Bryn Mawr School, of Baltimore, Maryland, is offered annually to the graduate of the Bryn Mawr School who has completed the school course with the most distinction and enters Bryn Mawr College.

The Lillia Babbitt Hyde Foundation Scholarships in Science and Pre-Medical Studies, value $650, were given in 1949. Two entrance scholarships will be awarded to Freshmen on the basis of need and excellence in Science.

SCHOLARSHIPS TENABLE IN THE SOPHOMORE YEAR

The James E. Rhoads Memorial Sophomore Scholarship, value $650, was founded in 1897 in memory of the first President of the College, Dr. James E. Rhoads, by the Alumnæ Association of Bryn Mawr College. It is awarded annually to a student who has attended lectures at Bryn Mawr College not less than one semester, has done excellent work, and expresses her intention of fulfilling the requirements for the degree of Bachelor of Arts at Bryn Mawr College.

The Maria Hopper Scholarships, two in number, value $200 each, were founded in 1901 by bequest of Maria Hopper of Philadelphia, and are awarded annually.

SCHOLARSHIPS TENABLE IN THE JUNIOR YEAR

The James E. Rhoads Memorial Junior Scholarship, value $650, was founded in 1897 in memory of the first President of the College, Dr. James E. Rhoads, by the Alumnæ Association of Bryn Mawr College. It is awarded annually to a student who has attended lectures at Bryn Mawr College not less than three semesters, has done excellent work, and expresses her intention of fulfilling the requirements for the degree of Bachelor of Arts at Bryn Mawr College.

The Anna Hallowell Memorial Scholarship, value $100, was founded in 1912 in memory of Anna Hallowell by her family. It is awarded annually to the student in need of aid who has the highest academic record.

The Mary E. Stevens Scholarship, value $500, founded in 1897 in memory of Mary E. Stevens by former pupils of her school, is awarded by the President of the College.

The Jeanne Crawford Hislop Memorial Scholarship, value $200 and annual accrued interest from the fund, was given in memory of Jeanne Crawford Hislop of the Class of 1940 by Mr. and Mrs. John H. Hislop and Mrs. Frederic W. Crawford. This scholarship may be renewed for the senior year.

SCHOLARSHIPS TENABLE IN THE SENIOR YEAR

The Anna M. Powers Memorial Scholarship, value $200, was founded in 1902 in memory of Anna M. Powers by her daughter, the late Mrs. J. Campbell Harris.

The Thomas H. Powers Memorial Scholarship, value $200, was founded in 1922 in memory of Thomas H. Powers by his daughter, the late Mrs. J. Campbell Harris.

SCHOLARSHIPS TENABLE IN THE SOPHOMORE, JUNIOR, OR SENIOR YEAR

The Mary Anna Longstreth Memorial Scholarship, carrying free tuition, was founded in 1913 in memory of Mary Anna Longstreth by alumnæ and children of alumnæ of the Mary Anna Longstreth School and by a few of her friends.

The Anna Powers Memorial Scholarship, value $150, was founded in 1919 in memory of Anna Powers of the Class of 1890 by her sister, Mrs. Charles Merrill Hough.

The Constance Lewis and Martha Rockwell Moorhouse 1904 Memorial Scholarship, value $500, has been given in memory of Constance Lewis and Martha Rockwell Moorhouse of the Class of 1904.

The Amelia Richards Scholarship, value $500, was founded in 1921 in memory of Amelia Richards of the Class of 1918 by bequest of her mother, Mrs. Frank P. Wilson. It is awarded annually by the Trustees on the nomination of the President.

The George Bates Hopkins Memorial Scholarships, two in number, value $200 each, were founded in memory of her father by Mrs. Elizabeth Hopkins Johnson, and are awarded annually. Preference is given to students of Music and, in default of these, to students majoring in History, and thereafter to students in other departments.

The Elizabeth Wilson White Memorial Scholarship, value $300, was founded in 1923 in memory of Elizabeth Wilson White by Mr. Thomas Raeburn White. It is awarded annually by the President.

The Abby Slade Brayton Durfee Scholarship, value $150, was founded in 1924 in honor of his wife by bequest of Randall Nelson Durfee. Preference in awarding it is given to candidates of English or American descent and to descendants of the Class of 1894.

The Leila Houghteling Memorial Scholarship, value $400, was founded in 1929 in memory of Leila Houghteling of the Class of 1911 by members of her family and a group of her contemporaries. It is awarded every three years on the nomination of the Alumnæ Scholarships and Loan Fund Committee to a member of the freshman class in need of financial assistance and is held during the remaining three years of her college course.

The Misses Kirk Scholarship, value $100, was founded in 1929 in honor of the Misses Kirk by the Alumnæ Association of the Kirk School.

The Evelyn Hunt Scholarships, two in number, value $200 each, were founded in 1931 in memory of Evelyn Hunt of the Class of 1898 by bequest of Eva Ramsay Hunt.

The Mary McLean and Ellen A. Murter Memorial Fund was founded in 1933 in memory of her two aunts by bequest of Mary E. Stevens of Germantown, Philadelphia. By vote of the Board of Directors the income is used for an annual scholarship, value $200.

The Lila M. Wright Memorial Scholarship, value $100, was founded in 1934 in memory of Lila M. Wright by the alumnæ of Miss Wright's School.

The Shippen Huidekoper Scholarship, value $200, was founded in 1936, and is awarded annually on the nomination of the President.

The Anna Margaret Sloan and Mary Sloan Scholarships, two in number, value $300 each, were founded in 1942 by bequest of Mary Sloan of Pittsburgh. They are awarded annually to students majoring in Philosophy or Psychology.

The Mary Williams Sherman Memorial Scholarship, value $100, was founded in 1942 by bequest of Bertha Williams of Princeton, New Jersey.

The Lorenz-Showers Scholarship Fund, value $100, was established in 1943 by Justina Lorenz Showers of Dayton, Ohio, of the Class of 1907, in honor of her parents, Edmund S. Lorenz and Florence K. Lorenz, and of her husband, John Balmer Showers.

The Jacob Orie and Elizabeth S. M. Clarke Memorial Scholarship, value $200, was established in 1948 from the estate of Elizabeth Clarke, to be awarded annually to a student born in the United States or any of its territories.

The Book Shop Scholarships are awarded annually from the profits of the Bryn Mawr College Book Shop and from the income from the Book Shop Fund.

The Jacob Fussell Byrnes and Mary Byrnes Fund was founded, in 1948 in memory of her father and mother, by a bequest of Esther Fussell Byrnes of the Class of 1891. By vote of the Board of Directors the income is to be used for annual scholarships for students in need of financial aid.

The Jessie Ball du Pont Scholarship, given in 1948, is to be awarded for three years to a student or students from Virginia. The gift of $3000 is to provide scholarships for three years.

The Julia Langdon Loomis Scholarship, given in 1948 in memory of Julia Langdon Loomis of the Class of 1895, is to be awarded to a student from New Jersey. The gift of $2000 is to provide scholarships for four years.

The Lillia Babbitt Hyde Foundation Scholarships in Science and Pre-Medical Studies, value $650, were given in 1949. Two scholarships will be awarded to Juniors or Seniors majoring in Biology, Chemistry or Physics who need financial aid and have demonstrated ability.

OTHER AWARDS

The Alice Ferree Hayt Memorial Award, given in 1922, is awarded annually by Mrs. E. Todd Hayt.

The Susan Shober Carey Award, value $50, was founded in memory of Susan Shober Carey by a gift of the Class of 1925, and is awarded annually by the President.

The Mary Peabody Williamson Scholarship, value $40, was founded in 1939 by bequest of Mary Peabody Williamson of the Class of 1903.

The Georgie W. Yeatman Scholarship, value $40, was founded in 1941 by bequest of Georgie W. Yeatman of Philadelphia.

SCHOLARSHIPS FOR MEDICAL STUDY

The Hannah E. Longshore Memorial Medical Scholarship was founded by Mrs. Rudolph Blankenburg in memory of her mother. The scholarship is awarded by a committee of the Faculty to a student who has been accepted by a medical school, and may be

renewed for each year of medical study. Applications should be made in writing to the Dean of the College, stating the extent of the applicant's financial need, and her intention to engage in medical practice. Applications for renewal should include letters of recommendation from instructors in the medical school.

The Jane V. Myers Memorial Medical Scholarship was founded by Mrs. Rudolph Blankenburg in memory of her aunt. The scholarship is awarded by a committee of the Faculty to a student who has been accepted by a medical school, and may be renewed for each year of medical study. Applications should be made in writing to the Dean of the College, stating the extent of the applicant's financial need, and her intention to engage in medical practice. Applications for renewal should include letters of recommendation from instructors in the medical school.

The Linda B. Lange Fund was founded in 1948 by bequest of Linda B. Lange, of the Class of 1903. The income from this Fund will provide the Anna Howard Shaw Scholarship in Medicine and Public Health to be awarded on recommendation of the President and Faculty to a member of the graduating class or a graduate of the College for the pursuit, during an uninterrupted succession of years, of studies leading to the degrees of M.D. and Doctor of Public Health. The award may be continued until the degrees are obtained.

The Harriet Judd Sartain Memorial Scholarship Fund was founded in 1948 by bequest of Paul J. Sartain. The income from this Fund is to establish a scholarship which will be awarded to a member of the graduating class who in the judgment of the Faculty needs and is deserving of assistance for the study of medicine. This scholarship may be continued for the duration of her medical course.

STUDENTS' LOAN FUND

The Students' Loan Fund of the Alumnæ Association of Bryn Mawr College was founded by the Class of 1890 for the use of students who need to borrow money in order to continue their college work and for the purpose of receiving contributions, no matter how small, from those who are interested in helping students to obtain an education. The fund is managed by the Alumnæ Scholarships and Loan Fund Committee.

The committee in administering this money follows a definite policy, designed to serve the best interests of the students concerned. Loans may be used for any purpose approved by the committee, who strongly recommend the borrowing of small sums to relieve undue financial pressure, or to meet special emergencies. As a rule, money is not loaned to freshmen or to students in their first year of graduate work. No student may borrow more than an aggregate amount of $600 during her entire college course.

The terms under which money is loaned are as liberal as is consistent with business-like principles. While the student is in College interest is charged at the rate of one per cent; after the student leaves College the interest rate is two per cent. The entire principal must be repaid within five years from the time the student leaves College at the rate of twenty per cent each year.

Contributions to the Loan Fund may be sent to the Chairman of the Scholarships and Loan Fund Committee, Alumnæ Office, The Deanery, Bryn Mawr, Pennsylvania. Students who wish to borrow from the Loan Fund may obtain application blanks for this purpose from the Alumnæ Office, which is situated on the second floor of the Deanery.

MARY HILL SWOPE LOAN FUND

This was established June 1, 1945 by a gift of Mrs. Gerard Swope (Mary Hill, A.B. 1896) under the following conditions:

To assist in the education of young women irrespective of color or creed attending Bryn Mawr College, the income of the fund to be loaned to students in the following manner:

1. The following order of preference shall be followed in awarding such loans:
 A. To students coming from New Jersey.
 B. To students coming from Missouri.
 C. To students coming from any other location who have had not less than one year of residence at the College.
2. The loans in the above order of preference, and in the following manner, shall be awarded by the President of Bryn Mawr College, or by a Committee appointed by her from time to time.
3. Applicants for loans shall be considered not only from the standpoint of academic attainment and financial need, but also from the standpoint of character and personal qualifications for deriving the greatest good from a continuation of their studies.
4. These loans shall be used primarily to enable the exceptional student to continue her studies which otherwise would be prevented through lack of means.
5. In the awarding of the loans, the recipient should understand that if in after years she is in a position to do so, she is to repay to the income account of the Loan Fund the amount so loaned to her, with or without interest. It is to be understood that this is entirely a moral obligation upon the recipient.

THE BUREAU OF RECOMMENDATIONS

The College conducts a Bureau of Recommendations for alumnæ, students, and former students of the College. This bureau offers an employment service for permanent, temporary, and part-time positions; and a vocational service for the student body, which includes vocational tests, assistance in choosing a vocation, and the presentation of a series of conferences and lectures. It also acts as a clearing house for letters of recommendation for those who have registered with the bureau. These letters will be sent, upon request, to prospective employers and other agencies.

BEQUEST FORM

The Trustees of Bryn Mawr College will welcome any gift, bequest, or award which is to be devoted to general endowment, or to the endowment of professors' chairs, scholarships, or fellowships in accordance with the wishes of the donor. Such funds may constitute memorials to the donor or to any person he may name. The sum of $200,000 will endow a professor's chair and the sum of $18,000 yields sufficient income to provide the present tuition for one student at Bryn Mawr College.

Form of Bequest

I give and bequeath to the Trustees of Bryn Mawr College, a corporation established by law in the Commonwealth of Pennsylvania, the sum of.....to be invested and preserved inviolably for the endowment of Bryn Mawr College, located at Bryn Mawr, Pennsylvania.

.....

Date.....

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Bryn Mawr College

CALENDAR

GRADUATE COURSES

ISSUE FOR THE SESSION OF

1949 • 1950

JUNE 1949

FOREWORD

Bryn Mawr College was founded by Dr. Joseph Taylor of Burlington, New Jersey. During his lifetime the site of the College at Bryn Mawr, Pennsylvania, eleven miles west of Philadelphia, was purchased and the buildings were begun. At his death in January, 1880, he left the greater part of his estate for the maintenance of this institution of higher education for women. In 1880 the College was incorporated under the laws of the Commonwealth of Pennsylvania and was invested with the power to confer degrees. In 1883 the Trustees issued a circular of information. In 1884 Dr. James E. Rhoads was elected President of the College and Dr. M. Carey Thomas was elected Dean of the Faculty. Plans were then matured and academic appointments were made. In the autumn of 1885 the College began its first academic year. On the resignation of President Rhoads in 1893 Dean Thomas was elected to the presidency, an office she held till her retirement in 1922. President Marion Edwards Park succeeded President Thomas in 1922 and retired in 1942. President Katharine Elizabeth McBride took office on July 1, 1942.

The Graduate School of Bryn Mawr College gives advanced instruction and fosters research in the fields of ancient and modern languages and literatures, art and archæology, mathematics and the natural sciences, the social sciences, philosophy and psychology, and education. The College offers special opportunities to its graduate students to investigate problems in small seminaries under the personal direction of members of the faculty. It has been the policy of the Trustees to provide in every fully organized department for graduate as well as undergraduate study.

Bryn Mawr College confers the degrees of Bachelor of Arts, Master of Arts, Master of Social Service, and Doctor of Philosophy.

CALENDAR

1949-50

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23	24	25	26	27	28	29
30						

APRIL

S	M	T	W	T	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

MAY

S	M	T	W	T	F	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	

JUNE

COLLEGE CALENDAR

1949-50

1949 — FIRST SEMESTER

September	29.	Halls of Residence open to the entering class at 8 A.M. Registration of Freshmen Advanced Standing Examinations begin Deferred, condition and auditors' examinations begin
October	1.	Graduate Center open to new graduate students at 9 A.M. Registration of new graduate students Deferred, condition and auditors' examinations end
	2.	Halls of Residence open to all students at 8 P.M.
	3.	Registration of students
	4.	Work of the 65th academic year begins at 8.45 A.M.
	15.	German examinations for undergraduates, M.A. and Ph.D. candidates
	20.	Advanced Standing Examinations end
	*22.	French examinations for undergraduates, M.A. and Ph.D. candidates
	29.	Spanish and Italian examinations for undergraduates and M.A. candidates Statistics examinations for M.A. candidates
November	5.	Hygiene examination
	23.	Thanksgiving holiday begins after last class
	28.	Thanksgiving holiday ends at 9 A.M.
December	16.	Christmas vacation begins at 12.45 P.M.

1950

January	3.	Christmas vacation ends at 9 A.M.
	7.	German examinations for Seniors conditioned, M.A. and Ph.D. candidates
	*14.	French examinations for Seniors conditioned, M.A. and Ph.D. candidates
	20.	Last day of lectures
	21.	Spanish and Italian examinations for Seniors conditioned and M.A. candidates Statistics examinations for M.A. candidates
	23.	Collegiate examinations begin
February	4.	Collegiate examinations end

SECOND SEMESTER

February	7.	Work of the second semester begins at 9 A.M.
March	24.	Spring vacation begins after last class
April	3.	Spring vacation ends at 9 A.M. Deferred examinations begin
	8.	Deferred examinations end
	22.	French examinations for undergraduates, Ph.D. candidates, and M.A. candidates for 1951
	*29.	Spanish and Italian examinations for undergraduates, Ph.D. candidates, and M.A. candidates for 1951
May	6.	German examinations for undergraduates, Ph.D. candidates, and M.A. candidates for 1951
	19.	Last day of lectures
	22.	Collegiate examinations begin
June	2.	Collegiate examinations end
	4.	Baccalaureate service
	6.	Conferring of degrees and close of 65th academic year

*Additional language examinations (Greek, Russian, etc.) will be scheduled during this period in relation to other examinations of the students concerned.

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ELEANOR LITTLE ALDRICH[6]
ELEANOR A. BLISS
ELEANOR NEWELL BURRY[7]
Alumnæ Director, 1948-49
MARJORIE MARTIN TOWNSEND[8]
Alumnæ Director, 1945-50
HELEN TREDWAY GRAHAM[9]
Alumnæ Director, 1946-51
JEAN T. PALMER
Alumnæ Director, 1947-52
HELEN HILL MILLER[10]
Alumnæ Director, 1948-53

MARION EDWARDS PARK, by invitation
President Emeritus of Bryn Mawr College
SERENA HAND SAVAGE,[11] by invitation
President of Alumnæ Association

1 Mrs. Henry Goddard Leach.
2 Mrs. Rustin McIntosh.
3 Mrs. Morgan Vining.
4 Mrs. F. Louis Slade.
5 Mrs. Everett N. Case.
6 Mrs. Talbot Aldrich.
7 Mrs. William Burry. Appointed 1948 to fill the unexpired term of Eleanor A. Bliss, *Alumnæ Director 1944-49.*
8 Mrs. Harold E. Townsend.
9 Mrs. Evarts Graham.
10 Mrs. Helen Hill Miller.
11 Mrs. William L. Savage.

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Caroline McCormick Slade
Vice-Chairman

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J. Henry Scattergood
Agnes Brown Leach
J. Edgar Rhoads
Katharine Elizabeth McBride
Josephine Young Case
Adelaide W. Neall
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Finance Committee

Charles J. Rhoads, *Chairman*
J. Henry Scattergood
Agnes Brown Leach
Caroline McCormick Slade
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Katharine Elizabeth McBride
Chairman

Millicent Carey McIntosh
Francis J. Stokes
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Henry Joel Cadbury

Committee on Buildings and Grounds

Francis J. Stokes, *Chairman*
Frederic H. Strawbridge
J. Edgar Rhoads
Katharine Elizabeth McBride
Eleanor A. Bliss
Marjorie Martin Townsend
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Library Committee

Katharine Elizabeth McBride
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Eleanor Little Aldrich
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Helen Tredway Graham, *Secretary*

Agnes Brown Leach
Millicent Carey McIntosh
Elizabeth Gray Vining
Katharine Elizabeth McBride
Caroline McCormick Slade
Josephine Young Case
Eleanor Little Aldrich
Eleanor A. Bliss
Eleanor Newell Burry
Marjorie Martin Townsend
Jean T. Palmer
Helen Hill Miller

COLLEGE ADMINISTRATION

Academic Year 1948-1949

President: Katharine Elizabeth McBride, Ph.D., LL.D., L.H.D.
Office: Taylor Hall.

Dean of the College: Dorothy Nepper Marshall, Ph.D.
Office: Taylor Hall.

Dean of the Graduate School: Lily Ross Taylor, Ph.D., Litt.D.
Office: The Library.

Dean of Freshmen and Director of Admissions:
Annie Leigh Broughton, M.A.
Office: Taylor Hall.

Assistant to the President: Margaret Tyler Paul, A.B.
Office: Taylor Hall.

Comptroller: Raymond G. Buckley
Office: Taylor Hall.

Field Secretary and Assistant to the Director of Admissions:
Doris Emerson, A.B.
Office: Taylor Hall.

Foreign Student Adviser: Martha M. Diez, M.A.

Halls, Director of, and Head Warden:
Charlotte Brandon Howe, M.A.
Office: Rockefeller Hall.

Librarian: Janet Margaret Agnew, B.L.S., M.A.
Office: The Library.

Physical Education, Director of: Irene A. Clayton, M.S.
Office: The Gymnasium.

Physical Education, Assistant Director of: Ethel M. Grant
Office: The Gymnasium.

Physician, College: Elizabeth Humeston, M.D.
Office: The Infirmary.

Physician, Assistant College: Isaac Sharpless, M.D.
Office: The Infirmary.

Psychiatrist, Consulting: Howard B. Smith, M.D.
Office: The Infirmary.

Public Relations, Director of: Clayton C. Adams.
Office: Taylor Hall.

Public Relations, Assistant to the Director of, in Charge of Publications: Margaret Simpson David, M.A.
Office: Taylor Hall.

Recommendations, Director of Bureau of:
LOUISE FFROST HODGES CRENSHAW, A.B.
Office: Taylor Hall.

Recommendations, Adviser in the Bureau of:
HELEN TREVOR VIETOR, A.B.
Office: Taylor Hall.

Recorder of the College: MARIAN CARTER ANDERSON, B.S.
Office: Taylor Hall.

Superintendent: HORACE T. SMEDLEY
Office: Rockefeller Hall.

Treasurer, Assistant to the: SANDY LEE HURST.
Office: Taylor Hall.

Warden of Denbigh Hall: SALLY BARCLAY STEVENSON, A.B.

Warden of Merion Hall: FRANCES CROFTS, A.B.

Warden of Pembroke Hall East: ANNE ENGLISH COLCORD, A.B.

Warden of Pembroke Hall West:
BECKY BURNS SHUSTER, A.B., Semester I
ALICE MARY LITWINCHUK, M.A., Semester II

Warden of Radnor Hall: PAULINE ROSE UTZINGER, A.B.

Warden of Rhoads Hall North: REBECCA COOPER WOOD, A.B.

Warden of Rhoads Hall South: LOIS LENOIR POST, A.B.

Warden of Rockefeller Hall: RUTH ELIZABETH GRUN, A.B.

Warden of Spanish House (Denbigh): MARGARITA M. ESTEVES, M.A.

Warden of French House (Wyndham): JEAN THEIS, A.B.

Senior Resident of Graduate Center: LOUISA SHANNON DUBOSE, A.B.

FACULTY AND STAFF

Academic Year, 1948-49

KATHARINE ELIZABETH MCBRIDE, Ph.D., LL.D., L.H.D., *President of the College.*

MARION EDWARDS PARK, Ph.D., LL.D., *President Emeritus of the College.*

DOROTHY NEPPER MARSHALL, Ph.D., *Dean of the College.*

LILY ROSS TAYLOR, Ph.D., Litt. D., *Dean of the Graduate School and Professor of Latin.*

ANNIE LEIGH BROUGHTON, M.A., *Dean of Freshmen and Director of Admissions.*

WILMER CAVE WRIGHT, Ph.D., *Professor Emeritus of Greek.*

REGINA KATHARINE CRANDALL, Ph.D., *Professor Emeritus of English Composition.*

SUSAN MYRA KINGSBURY, Ph.D., LL.D., *Professor Emeritus of Social Economy.*

GRACE MEAD ANDRUS DE LAGUNA, Ph.D., *Professor Emeritus of Philosophy.*

CHARLES GHEQUIERE FENWICK, Ph.D., LL.D., *Professor Emeritus of Political Science.*

EUNICE MORGAN SCHENCK, Ph.D., *Professor Emeritus of French.*

ANNA PELL WHEELER, Ph.D., Sc.D., *Professor Emeritus of Mathematics.*

SAMUEL CLAGGETT CHEW, Ph.D.,[1] *Mary E. Garrett Alumnæ Professor of English Literature and Holder of the Mary Hill Swope Grant.*

RHYS CARPENTER, Ph.D., Litt.D., *Professor of Classical Archæology and Holder of a Julius and Sarah Goldman Grant.*

JAMES LLEWELLYN CRENSHAW, Ph.D., *Professor of Physical Chemistry.*

HELEN TAFT MANNING, Ph.D., LL.D.,[2] *Marjorie Walter Goodhart Professor of History.*

MARY HAMILTON SWINDLER, Ph.D., LL.D., *Professor of Classical Archæology.*

HORACE ALWYNE, F.R.M.C.M., *Alice Carter Dickerman Professor of Music and Director of the Department of Music.*

[1] On leave of absence for Semester II, 1948-49.
[2] On leave of absence for Semester I, 1948-49.

ROGER HEWES WELLS, Ph.D., *Professor of Political Science.*

JOSEPH E. GILLET, Ph.D.,[1] *Professor of Spanish.*

MAX DIEZ, Ph.D., *Professor of German Literature.*

GRACE FRANK, A.B., *Non-resident Professor of Old French Philology.*

STEPHEN JOSEPH HERBEN, B.Litt., Ph.D.,[2] *Professor of English Philology.*

FRITZ MEZGER, Ph.D., *Professor of Germanic Philology.*

THOMAS ROBERT SHANNON BROUGHTON, Ph.D., *Professor of Latin.*

HARRY HELSON, Ph.D.,[1] *Professor of Experimental Psychology.*

EDWARD H. WATSON, Ph.D., *Professor of Geology.*

MILTON CHARLES NAHM, B.Litt., Ph.D., *Professor of Philosophy.*

WALTER C. MICHELS, Ph.D., *Marion Reilly Professor of Physics.*

CORNELIA LYNDE MEIGS, A.B., *Margaret Kingsland Haskell Professor of English Composition.*

MARGARET GILMAN, Ph.D., *Professor of French.*

LINCOLN DRYDEN, Ph.D., *Professor of Geology.*

FLORENCE PETERSON, M.A., *Professor of Social Economy and Director of the Graduate Department of Social Economy and Social Research.*

CAROLINE ROBBINS, Ph.D., *Professor of History.*

RICHMOND LATTIMORE, Ph.D., *Paul Shorey Professor of Greek.*

K. LAURENCE STAPLETON, A.B.,[3] *Professor of English and of Political Theory.*

ALEXANDER COBURN SOPER, M.F.A., Ph.D., *Professor of History of Art.*

PAUL SCHRECKER, Ph.D., *Visiting Professor and Professor-elect of Philosophy on a joint appointment by Bryn Mawr College and Swarthmore College.*

MARY SUMMERFIELD GARDINER, Ph.D., *Associate Professor and Professor-elect of Biology.*

GERMAINE BRÉE, *Agrégée de l'Université,*[4] *Associate Professor and Professor-elect of French.*

MILDRED BENEDICT NORTHROP, Ph.D.,[4] *Associate Professor and Professor-elect of Economics.*

FELIX GILBERT, Ph.D., *Associate Professor and Professor-elect of History.*

PEDRO SALINAS, Ph.D., Litt.D., *Visiting Professor of Spanish.*

1 On leave of absence for the year 1948-49.
2 On leave of absence for Semester II, 1948-49.
3 On leave of absence for Semester I, 1948-49.
4 On leave of absence for the year 1949-50.

MARGUERITE LEHR, Ph.D.[1], *Associate Professor of Mathematics.*

ANGELINE HELEN LOGRASSO, Ph.D., *Associate Professor of Italian.*

MYRA RICHARDS JESSEN, Ph.D., *Associate Professor of German.*

DOROTHY WYCKOFF, Ph.D., *Associate Professor of Geology.*

BERTHE MARIE MARTI, Ph.D., *Associate Professor of Latin and French.*

RICHARD BERNHEIMER, Ph.D., *Associate Professor of History of Art.*

MARY KATHARINE WOODWORTH, Ph.D.,[2] *Associate Professor of English.*

ARTHUR COLBY SPRAGUE, Ph.D., *Associate Professor of English Literature.*

HERTHA KRAUS, Ph.D., *Carola Woerishoffer Associate Professor of Social Economy.*

ARTHUR LINDO PATTERSON, Ph.D.,[3] *Associate Professor of Physics.*

JOSEPH CURTIS SLOANE, JR., M.F.A., Ph.D.,[3] *Associate Professor of History of Art.*

JOHN CHESTER MILLER, Ph.D.,[2] *Associate Professor of History.*

JOHN CORNING OXTOBY, M.A., *Associate Professor of Mathematics.*

ISABEL SCRIBNER STEARNS, Ph.D., *Associate Professor of Philosophy.*

AGNES KIRSOPP MICHELS, Ph.D., *Associate Professor of Latin.*

L. JOE BERRY, Ph.D.,[3] *Associate Professor of Biology.*

MARSHALL DEMOTTE GATES, JR., Ph.D., *Associate Professor of Chemistry.*

JANE MARION OPPENHEIMER, Ph.D., *Associate Professor of Biology.*

ERNST BERLINER, Ph.D., *Associate Professor of Chemistry.*

JOSHUA C. HUBBARD, Ph.D., *Associate Professor of Economics.*

FREDERICK W. THON, M.F.A.., *Associate Professor of the Drama.*

MAGDA B. ARNOLD, Ph.D., *Associate Professor of Psychology.*

FREDERICA DE LAGUNA, Ph.D., *Assistant Professor and Associate Professor-elect of Anthropology.*

RACHEL DUNAWAY COX, Ph.D., *Assistant Professor and Associate Professor-elect of Education and Psychology.*

BETTINA LINN, M.A., *Assistant Professor and Associate Professor-elect of English.*

GEORGE P. CUTTINO, D.Phil., *Assistant Professor and Associate Professor-elect of History on a joint appointment by Bryn Mawr College and Swarthmore College.*

GEDDES MACGREGOR, B.D., D.Phil., *Rufus M. Jones Associate Professor-elect of Philosophy and Religion.*

[1] On leave of absence for Semester II, 1949-50.
[2] On leave of absence for Semester II, 1948-49.
[3] On leave of absence for the year 1948-49.

MABEL LOUISE LANG, Ph.D., *Assistant Professor of Greek.*

FRANCES DE GRAAFF, Ph.D., *Assistant Professor of Russian on a joint appointment by Bryn Mawr College and Haverford College.*

MANUEL ALCALÁ, Litt.D., *Assistant Professor of Spanish.*

ROBERT L. GOODALE, A.B., B.Mus., A.A.G.O., *Assistant Professor of Music.*

LINDLEY J. BURTON, Ph.D., *Assistant Professor of Mathematics.*

ROSALIE C. HOYT, Ph.D., *Assistant Professor of Physics.*

PETER BACHRACH, M.A., *Assistant Professor of Political Science.*

WILLIAM E. NORRIS, JR., Ph.D., *Assistant Professor of Biology.*

JACQUES VAN DEN HEUVEL, *Agrégé de l'Université, Assistant Professor of French.*

HUGUES LEBLANC, Ph.D., *Instructor and Assistant Professor-elect of Philosophy.*

JOE KENNEDY ADAMS, Ph.D., *Assistant Professor-elect of Psychology.*

HAROLD KWART, Ph.D., *Assistant Professor-elect of Chemistry.*

MACHTELD JOHANNA MELLINK, Ph.D., *Assistant Professor-elect of Archæology.*

JOHN R. PRUETT, M.S.,[1] *Assistant Professor-elect of Physics.*

CLAIR WILCOX, Ph.D., *Anna Howard Shaw Lecturer, Joseph Wharton Professor of Politics and Economics at Swarthmore College.*

MARY MARGARET ZENDER, M.A., M.S.S., *Lecturer in Social Economy and Supervisor of Social Casework.*

MURIEL JANET GAYFORD, M.S.P.A., *Lecturer in Medical Social Case Work.*

KATHERINE D. K. LOWER, Ph.D., *Lecturer in Social Economy.*

JEANNE DEBOW BRUGGER, M.A., *Lecturer in Psychology.*

OTTO POLLAK, Ph.D., *Lecturer in Sociology, Semester II.*

JACQUES GUICHARNAUD, *Agrégé de l'Université, Lecturer-elect in French.*

JOSÉ MARIA FERRATER MORA, *Licenciado, Lecturer-elect in Spanish.*

MAXINE S. WOOLSTON, Ph.D., *Lecturer-elect in Economics.*

LEON B. SAUL, M.D., *Special Lecturer in Psychiatric Information, Semester I.*

M. ROYDEN C. ASTLEY, M.D., *Special Lecturer in Psychiatric Information, Semester II.*

WILLIAM A. JEFFERS, M.D., *Special Lecturer in Social Economy.*

ARTHUR M. ROGERS, M.D., *Special Lecturer-elect in Medical Information.*

FREDERICK JONES, Ph.D., *Visiting Lecturer in English, Semester II.*

JOHN DAVID REED, Ph.D., *Visiting Lecturer in Psychology, Semester II.*

[1] Ph.D. to be conferred August, 1949.

MARY ISABELLE O'SULLIVAN, Ph.D., *Visiting Lecturer in English, Semester II.*

CHARLES WILBUR UFFORD, Ph.D., *Visiting Lecturer in Physics.*

EDITH HAMILTON LANMAN, M.A., *Instructor in Chemistry.*

MARTHA M. DIEZ, M.A., *Instructor in German.*

MILDRED TONGE BROWN, Ph.D., *Instructor in English.*

HELEN HAZARD BACON, A.B., *Instructor in Greek.*

JOANNE LOEWE NEEL, M.A., *Instructor in History.*

KERNAN BRADLEY WHITWORTH, M.A., *Instructor in French.*

MURRAY GORDON DE JERSEY, M.A., *Instructor in Psychology.*

DEBORAH SANDS AUSTIN, M.A., *Instructor in English.*

JOY C. LEVY, M.A., *Instructor in History of Art.*

MARGARITA ESTEVES, M.A., *Instructor in Spanish.*

PATRICIA ANNE TAGGART, A.B., *Instructor in English.*

CHARLOTTE SCHNAKENBERG, A.B., *Instructor in English.*

HEINZ POLITZER, *Instructor in German.*

DIANA TATE-SMITH, A.B., *Instructor in English.*

MARIE-LOUISE RALPH TURNER, A.B., *Instructor in Spanish, Semester I.*

JOSÉ MIGUEL GONZALEZ, A.B., *Instructor in Spanish, Semester II.*

JOHN ASHMEAD, M.A., *Instructor in English, Semester II.*

FRANCES MATTHAI, A.B., *Instructor in English, Semester II, and Instructor-elect.*

ISABEL GAMBLE, M.A., *Instructor-elect in English.*

CYNTHIA GEE, B.A., *Instructor-elect in Greek.*

HELEN MANNING HUNTER, M.A., *Instructor-elect in Statistics.*

EDWARD P. MORRIS, A.B., *Instructor-elect in French.*

ELIZABETH BOOTH, A.B., *Reader in Music.*

JANE HADAS, A.B., *Reader in Mathematics.*

EDITH ABELMANN LEOPOLD, M.A., *Reader in Politics.*

EMMA CADBURY BURTON, A.B., *Reader in Economics, Semester I.*

HILDEGARDE HUNT VON LAUE, A.B., *Reader in History.*

RUTH MURRAY FANSLER, A.B., *Reader-elect in Mathematics.*

RHODA GILMAN, A.B., *Reader-elect in Economics.*

HENRIETTA HUFF LANDES, A.B., *Curator of Slides and Photographs.*

FRANCES BONDHUS BERLINER, Ph.D., *Demonstrator in Chemistry.*

BARBARA ANN JOUBERT PALM, A.B., *Demonstrator in Physics.*

CHI SHANG CH'IH, M.A., *Demonstrator in Geology.*

EVELYN A. SCLUFER, A.B., *Demonstrator in Biology.*

MARY R. DAY, B.S., *Demonstrator in Biology.*

EILEEN BEIER MAHER, M.A., *Demonstrator in Psychology.*

RICHARD C. BARBERA, B.S., *Demonstrator in Physics.*

GRACE PETERS, A.B., *Demonstrator in Chemistry.*

ELIZABETH B. KALTENTHALER, A.B., *Demonstrator in Geology.*

MIRIAM F. CLARKE MADISON, Ph.D., *Demonstrator in Biology.*

ELIZABETH A. FARRELLY,[1] *Demonstrator-elect in Physics.*

ISABEL KELLERS, A.B., *Demonstrator-elect in Biology.*

JANE WALLACE, M.A., *Demonstrator-elect in Geology.*

JOAN FULTON WHITE, A.B., *Demonstrator-elect in Biology.*

REBECCA COOPER WOOD, A.B., *Assistant in Classical Archæology and Warden of Rhoads North.*

LOUISA SHANNON DUBOSE, A.B., *Assistant in Philosophy.*

LUCILLE FEIDEN, A.B., *Assistant in History of Art.*

DOROTHY LEADBEATER, M.A., *Assistant in History of Art.*

CORLETTE ROSSITER, M.A., *Assistant in History of Art.*

MARIANNE WINTER MARTIN, M.A., *Assistant-elect in History of Art.*

HENDERSON WOLFE, A.B. *Assistant-elect in History of Art.*

ELAINE FRANCE, A.B., *Assistant in the Child Study Institute.*

ANNE HOWELL MARTIN, A.B.,[2] *Assistant-elect in Philosophy.*

WILLIAM REESE, Ph.D., *Director of Orchestra and Instrumental Ensemble Groups.*

KENDALL HOPKINS, *Visiting Artist.*

LIBRARY

JANET MARGARET AGNEW, B.L.S., M.A., *Librarian.*

GRETCHEN DE WITT, A.B., B.S., *Circulation and Reference Librarian.*

JANE WALKER, B.S., *Head Cataloguer.*

ETHEL W. WHETSTONE, A.B., A.B. in L.S., *Library Assistant in the Quita Woodward Wing.*

MARGARET M. FARRELL, A.B., B.S. in L.S., *Assistant Cataloguer.*

ELEANOR R. ENGLEHART, A.B., B.S. in L.S., *Assistant to the Circulation Librarian.*

HALLS OF RESIDENCE

CHARLOTTE BRANDON HOWE, M.A., *Director of Halls and Head Warden.*

SALLY B. STEVENSON, A.B., *Warden of Denbigh Hall.*

JEAN THEIS, A.B., *Warden of the French House, Wyndham.*

[1] Sc.B. to be conferred June, 1949.

[2] M.A. to be conferred June, 1949.

Louisa Shannon DuBose, A.B., *Senior Resident of the Graduate Center.*

Frances Crofts, A.B., *Warden of Merion Hall.*

Anne E. Colcord, A.B., *Warden of Pembroke East.*

Becky Burns Shuster, A.B., *Warden of Pembroke West, Semester I.*

Alice Mary Litwinchuk, M.A., *Warden of Pembroke West, Semester II.*

Pauline R. Utzinger, A.B., *Warden of Radnor Hall.*

Rebecca Cooper Wood, A.B., *Warden of Rhoads North.*

Lois Lenoir Post, A.B., *Warden of Rhoads South.*

Ruth E. Grun, A.B., *Warden of Rockefeller Hall.*

Margarita M. Esteves, M.A., *Warden of the Spanish House, Denbigh Hall.*

Health

The President and Deans of the College, *ex officio.*

Elizabeth Humeston, M.D., *College Physician.*

Frederic C. Sharpless, M.D., *General Consultant.*

Isaac Sharpless, M.D., *Assistant College Physician.*

Howard B. Smith, M.D., *Consulting Psychiatrist.*

Irene A. Clayton, M.S., *Director of Physical Education.*

Physical Education

Irene A. Clayton, M.S., *Director of Physical Education.*

Ethel M. Grant, *Assistant Director of Physical Education.*

Janet A. Yeager, *Instructor in Physical Education.*

Emelia-Louise Jepson Kilby, M.A., *Instructor in Physical Education.*

Business Administration

Charlotte Brandon Howe, M.A., *Director of Halls.*

Sandy Lee Hurst, *Assistant to the Treasurer.*

Raymond G. Buckley, *Comptroller.*

Horace T. Smedley, *Superintendent.*

Josephine Falcone McCusker, *Purchasing Agent and Manager of the Business Office.*

Marjorie E. Bacheller, B.S., *Dietitian.*

William J. Burk, *Fire Chief.*

ADMISSION

The Graduate School is open to qualified graduates in liberal arts courses of colleges or universities of acknowledged standing. Application for admission, to be made to the Dean of the Graduate School, should be accompanied by a copy of the student's full academic record and by letters from the Dean and from two or more professors of the applicant's undergraduate college. Admission to graduate courses is under the jurisdiction of the various departments which may, at their discretion, require students whose preparation is insufficient to pursue certain introductory courses before being enrolled in a graduate course. Admission to the Graduate School does not automatically qualify a student to become a candidate for an advanced degree. Students whose courses of study meet the prerequisites may on application to the Graduate Committee be enrolled as candidates for the Degrees of Master of Arts, Master of Social Service, or Doctor of Philosophy.

Men as well as women are admitted to the Graduate School and are accepted as candidates for the Degrees of Master of Arts, Master of Social Service, and Doctor of Philosophy.

Graduate Record Examination. The Bryn Mawr Graduate School recognizes as contributory evidence of the qualifications of a student for admission a record of attainment in the Graduate Record Examination as prepared and administered by the Educational Test Service. This examination is a convenient method by which a student may supplement transcript records. Applicants for admission to the Graduate School who wish to take the examination should apply directly to the Graduate Record Examination, 437 West 59th Street, New York 19, N. Y., where full information may be secured and arrangements for taking the test may be made. There is a fee of $3.00.

COURSES OF STUDY

1949-1950

Graduate courses are offered in the Departments of Biology, Chemistry, Classical Archæology, Comparative Philology and Linguistics, Economics, Educational Psychology, English, French, Geology, German, Greek, History, History of Art, Italian, Latin, Mathematics, Music, Philosophy, Physics, Political Science, Psychology, Social Economy and Social Research, Sociology and Anthropology, and Spanish.

All undergraduate and graduate courses of the College are open to properly qualified graduate students. Only advanced and elective and a few second year undergraduate courses are described in this calendar. For the complete undergraduate program see the Calendar of Undergraduate Courses.

Graduate and undergraduate courses at the University of Pennsylvania are also available for graduate students of Bryn Mawr College. By a reciprocal arrangement with the University full-time graduate students of Bryn Mawr College are admitted without tuition charge to courses at the University for which they are qualified.

Three units of graduate work, each planned to take a third of the student's time, constitute a full program, and not more than three such courses may be elected by a student. The units of graduate work are of two types:

1. The graduate course or seminary, described under the departmental announcements.

2. An independent unit of graduate work, equivalent to a graduate course or seminary, planned and examined by an instructor but carried on independently by the student. Such work may consist of reading with assigned reports, research with results submitted, or a combination of both.

The prerequisites for graduate courses, approximately twenty semester hours of undergraduate work in the subject, are established by the various departments. In special cases, with the approval of the department concerned, work in related subjects of equivalent value may be accepted.

It is the practice of most departments to vary the graduate courses and seminaries from year to year so that a candidate for the degree of Doctor of Philosophy may pursue the work for several successive years. In special cases the announced order may be changed to suit the needs of students.

In many departments the instructors and graduate students meet from time to time in a Journal Club to discuss recent publications in their field of study. Students will be notified by their respective departments of arrangements for the Journal Clubs.

Every graduate student must register her courses at the Office of the Dean of the Graduate School within two weeks after entering the College. Permission to make any change in registration must be received from the Dean of the Graduate School.

Approved major and allied subjects for all departments are listed in the printed Regulations for the Degrees of Master of Arts and Doctor of Philosophy.

The Plan for Coordination in the Teaching of the Sciences offers special training in borderline subjects. A gift from the Carnegie Corporation enables the College to award scholarships to qualified students in such fields as biophysics, geophysics, and geochemistry. As such work demands a thorough knowledge of the fundamentals of at least two sciences, it is often impossible for students to include all the desired courses in four undergraduate years; these scholarships are intended primarily to provide for an additional year (mainly in the Undergraduate School) so that the student may be ready, at the end of five years, to begin graduate work in her chosen correlated fields. In addition to the sum allotted to scholarships part of the annual income from the Carnegie fund is set aside for special courses in related subjects. These courses vary from year to year with the needs and interests of the students in science.

Undergraduate courses in each department are numbered according to the following system:

301, 302, etc.....indicate advanced courses in major work.

*.....indicates elective courses.

"a".....the letter "a", following a number, indicates a half-course given in the first semester.

"b".....the letter "b", following a number, indicates a half-course given in the second semester.

"c".....the letter "c", following a number, indicates a half-course given two hours a week throughout the year.

[].....Square brackets enclosing the titles of courses indicate that, though regular parts of the program, they are not given in the current year.

Biology

PROFESSOR: MARY SUMMERFIELD GARDINER, Ph.D.
ASSOCIATE PROFESSORS: L. JOE BERRY, Ph.D.
JANE MARION OPPENHEIMER, Ph.D.
ASSISTANT PROFESSOR: WILLIAM E. NORRIS, JR., Ph.D.

Students may specialize either in animal morphology or in physiology (biochemistry or biophysics). Each seminary meets two or three hours weekly.

Seminary: Cytology: Dr. Gardiner.
Seminary: Embryology: Dr. Oppenheimer.
Seminary: Physiology: Dr. Berry.
Seminary: Physiological Chemistry: Dr. Norris.

Advanced Undergraduate Courses

[301. *Microscopic Anatomy:* Dr. Gardiner.]

A study of tissues and cells, with instruction in the theory and technique of preparing material for histological and cytological examination. Two lectures, six hours laboratory a week.

302. *Genetics:* Dr. Gardiner.

An historical review of the theories of inheritance, and an introduction to modern genetic theories and techniques. Two lectures, six hours laboratory a week.

[303. *Embryology:* Dr. Oppenheimer.]

Embryology of the vertebrates with consideration of theoretical questions of embryological interest. Two lectures, six hours (minimum) laboratory a week.

304. *Bacteriology:* Dr. Berry, Dr. Norris.

Morphology, physiology and immunochemistry of the bacteria, with a consideration of photosynthetic and chemosynthetic as well as parasitic forms, bacteriophages and other viruses. Two lectures, six hours (minimum) laboratory a week.

305. *Biochemistry:* Dr. Norris.

The chemistry of living organisms with special emphasis on the chemical principles in physiological phenomena. Two lectures, six hours (minimum) laboratory a week. Physics 101 is recommended as preparation for this course.

306. *Biophysics:* Dr. Berry.

The application of physical processes and physical methods to the problems of general and vertebrate physiology. Two lectures, six hours (minimum) laboratory a week. Prerequisite: Physics 101.

307. *The Development of Scientific Thought:* Dr. Wyckoff, Dr. Oppenheimer.

(Interdepartmental Course 203. See page 49.)

308. *Fundamentals of Systematics.*

Offered at the Academy of Natural Sciences. One hour of lecture; four hours laboratory a week (Saturday mornings). A survey of the scope and methods of taxonomy, with a consideration of the mechanisms of speciation.

Chemistry

PROFESSOR:	JAMES LLEWELLYN CRENSHAW, Ph.D.
ASSOCIATE PROFESSOR:	ERNST BERLINER, Ph.D.
ASSISTANT PROFESSOR:	HAROLD KWART, Ph.D.
INSTRUCTOR:	EDITH HAMILTON LANMAN, M.A.

Students may specialize in either physical chemistry or organic chemistry. Each seminary meets two hours weekly.

Seminary: Physical Chemistry: Dr. Crenshaw.

In the lectures no attempt is made to give a general survey of the subject but certain selected portions of the science are treated in detail and the student is made familiar with problems of current interest.

Seminary: Organic Chemistry: Dr. Berliner, Dr. Kwart.

Theoretical and physical organic chemistry. Recent developments in the chemistry of Natural Products (Sterols, Hormones, Vitamins, Alkaloids, Terpenes, Heterocyclic Compounds).

ADVANCED UNDERGRADUATE COURSES

301. *Advanced Physical Chemistry:* Dr. Crenshaw.

First semester: elementary thermodynamics. Second semester: chemical kinetics. Two lectures, eight hours laboratory. Prerequisite: Mathematics 101. Credit: 1½.

302. *Advanced Organic Chemistry:* Dr. Berliner, Dr. Kwart.

Lectures: theories and fundamental principles of organic chemistry. Laboratory: (first semester) organic qualitative analysis; (second semester) advanced synthesis and organic quantitative analysis. Two lectures, eight hours laboratory. Credit: 1½.

303. *Advanced Inorganic Analysis:* Miss Lanman.

One lecture, eight hours laboratory.

Classical Archaeology

PROFESSOR:	RHYS CARPENTER, Ph.D., Litt.D.
ASSISTANT PROFESSOR:	MACHTELD JOHANNA MELLINK, Ph.D.
CURATOR OF SLIDES AND PHOTOGRAPHS:	HENRIETTA HUFF LANDES, A.B.
ASSOCIATE PROFESSOR OF ANTHROPOLOGY:	FREDERICA DE LAGUNA, Ph.D.

Familiarity with both Greek and Latin, though not required except for candidates for the doctor's degree, is of the utmost value for graduate work in archæology. A good reading knowledge of German is indispensable.

Each seminary meets two hours weekly.

Seminary: Dr. Carpenter.

The seminary given is selected from the following:

Archæology of the Western Mediterranean.
Greek Sculpture.
Greek Epigraphy.

Seminary: Dr. Mellink.

The seminary given is selected from the following:

Oriental Relations of Early Greek Culture.
Anatolian Archæology.
Aegean Archæology.

Advanced Undergraduate and Free Elective Courses

202a.* *Ancient Italy:* Dr. Carpenter.

202b.* *Cultural Geography of the Mediterranean:* Dr. Carpenter.

203.* *American Archæology:* Dr. de Laguna.

Anthropology 102 (see Undergraduate Calendar) is recommended as a preliminary to this course.

301a. *Ancient Painting:* Dr. Mellink.

301b. *Ancient Architecture:* Dr. Carpenter.

Comparative Philology and Linguistics

Professor of Germanic Philology: Fritz Mezger, Ph.D.

Non-resident Professor of Old French Philology: Grace Frank, A.B.

Professor of English Philology: Stephen Joseph Herben, B.Litt., Ph.D.

Associate Professor of Italian: Angeline Helen Lograsso, Ph.D.

Assistant Professor of Spanish: Manuel Alcalá, Litt.D.

This department is under the joint direction of the professors in charge of philological work in the language departments. The degree of Master of Arts is not offered in this department. For the degree of Doctor of Philosophy Comparative Philology and Linguistics may be offered as an allied subject but not as a major subject. Graduate students in the language departments, if so directed by the department of major work, may take any of the courses listed below and count them as a part of their philology in the major department. Undergraduate preparation entitling a student to do graduate work in any of the language departments will entitle her to work in this department.

The following seminaries and graduate courses meeting two hours weekly are offered from time to time by Dr. Mezger:

Sanskrit (one semester).

Sounds and forms of Sanskrit are studied on a comparative basis.

Studies in Indo-European Linguistics.

After a general introduction to linguistic science, the relations of the principal languages of the Indo-European group will be studied with respect to sounds, inflection, syntax and word formation.

Old and Middle Welsh (one semester).

Comparative grammar. Reading of the Mabinogion.

Old and Middle Irish (one semester).

Comparative grammar of Old Irish. Interpretation of texts.

The following seminaries and graduate courses are announced in the language departments concerned, but may also be offered as a part of the work in Comparative Philology:

English Philology:
Old and Middle English.

Romance Philology:
Introduction to Old French Philology.
Old Italian.
Spanish Philology and Old Spanish Readings.

Germanic Philology:
Old Norse.
Germanic Philology.
Introduction to Germanic Philology.
Old Saxon and Old Frisian.
History of the English Language.

Economics

PROFESSOR:	MILDRED BENEDICT NORTHROP, Ph.D.[1]
ASSOCIATE PROFESSOR:	JOSHUA C. HUBBARD, Ph.D.
LECTURER:	MAXINE S. WOOLSTON, Ph.D.

Each seminary meets two hours weekly.

Seminary: Dr. Northrop.

The seminary given is selected from the following:

International Trade and Commercial Policy.
Business Cycles and Full Employment.
Comparative Economic Organization.
Economic Development.

(Not given in 1949-50)

[1] On leave of absence for the year 1949-50.

Seminary: Dr. Hubbard.

The seminary given is selected from the following:

History of Economic Thought.
Contemporary Economic Theory.
Money and Banking and Fiscal Policy.

Advanced Undergraduate Courses

301a. *Full Employment:* Dr. Woolston.

301b. *International Economics:* Dr. Woolston.

Education

President of the College:
Katharine Elizabeth McBride, Ph.D., LL.D., L.H.D.

Associate Professor:
Rachel Dunaway Cox, Ph.D.

Assistant in Child Study Institute:
Elaine France, A.B.

The department offers graduate courses designed to meet the needs of two types of students—graduate students who desire to qualify for a teacher's certificate and graduate students who have had sufficient undergraduate training in education to qualify them for graduate work leading to a higher degree. Each seminary meets two hours weekly.

The Department of Education maintains the Child Study Institute under the direction of Dr. Cox, assisted by Dr. James Delano, Consulting psychiatrist, Shirley Milner, social case worker, and Elaine France, psychological assistant. This is a clinic supported jointly by the College and the Lower Merion Township Schools for work in the field of child development. Problems of learning and behavior are studied, psychological testing and remedial teaching are carried on. A program of counseling for children and their parents renders help in school and family adjustment. Advanced students participate in the work, and both graduate and undergraduate students observe and carry on research projects in the twelve schools.

Referrals also come to the Institute from the neurological and pediatric departments of the Bryn Mawr Hospital, from psychiatrists and from social agencies, giving opportunity for acquaintance with a diversity of clinical material.

A separate building on the college grounds houses the Institute, with rooms equipped for the individual examination of pupils, remedial teaching, play therapy, and student observation. Sound recording facilities are available for the study and improvement of counseling and testing techniques.

Seminary: Educational Psychology: Dr. Cox.

(Given as required)

Learning, psychological study of the individual child, and educational adjustment are the chief subjects of this seminary.

Psycho-educational problems are demonstrated and opportunities provided for students to carry on practical work on these problems.

Seminary: Mental Measurement: Dr. Cox.
(Given as required)

Seminary: Clinical Problems: Dr. Cox.
(Given as required)

The problems most frequently encountered in clinical practice are attacked. The first semester is devoted to a study of the neurological deficiencies, learning disabilities and to the more important aspects of interpretation and application of psychological test findings. In the second semester behavior problems of children and adolescents are studied, and opportunity is provided for supervised work with individual children.

Seminary: Principles and Administration of School Guidance: Dr. Cox.

Philosophy and practice of the school counselor, teacher and administrator in dealing with the guidance of children in secondary and elementary schools in matters of educational and vocational, emotional and social adjustment. Effective approaches in dealing with behavioral deviations are explored.

Practicum: Educational Psychology.

This course is designed to meet the needs of students who are actually engaged in teaching. The course will deal with the psychology of learning, psychological study of the individual child and problems of educational adjustment. Opportunity is provided for students to carry on practical work on these problems.

FREE ELECTIVE COURSES

[101b.* *Principles of Education:* President McBride.]

[201a.* *Educational Psychology:* President McBride and Dr. Cox. Prerequisite: Psychology 101.]

202a.* *Child Psychology:* President McBride and Dr. Cox. Prerequisite: Psychology 101.

English

PROFESSORS: SAMUEL CLAGGETT CHEW, Ph.D.
STEPHEN JOSEPH HERBEN, Ph.D.
CORNELIA LYNDE MEIGS, A.B.
K. LAURENCE STAPLETON, A.B.

ASSOCIATE PROFESSORS: ARTHUR COLBY SPRAGUE, Ph.D.
MARY KATHARINE WOODWORTH, Ph.D.
FREDERICK WAKEFIELD THON, M.F.A.
BETTINA LINN, M.A.

Each seminary meets two hours weekly.

Seminary: English Literature: Dr. Chew.
1949-50: *Victorian Literature.*
1950-51: *Romanticism.*

Seminary: English Literature: Dr. Sprague.
1949-50: *Restoration Drama.*
1950-51: *Elizabethan Poetry.*

Seminary: English Literature: Dr. Woodworth.
1949-50: *Literature of the Eighteenth Century.*

Seminary: Milton: Miss Stapleton.
(Not given in 1949-50)

Seminary: Old and Middle English: Dr. Herben.
One of the following is given in each year:
Old English Christian Poetry
Beowulf and the Old English Lyrics
Chaucer
Middle English Romances.

A Seminary in Philology for students of English is offered in the Department of German (see page 31).

ADVANCED UNDERGRADUATE AND FREE ELECTIVE COURSES

LANGUAGE

211b.* *History of the English Language:* Dr. Herben.

LITERATURE

[301. *Old English Literature:* Dr. Herben.]
After some training in Old English grammar, selections from prose and poetry are read, followed by the *Beowulf.*

302a. *The Drama from the Beginnings to 1642:* Dr. Sprague.

303. *English Poetry from Spenser to Donne:* Dr. Sprague.
The principal poets studied are Spenser, Sidney, Daniel, Drayton, Shakespeare (the narrative poems and the sonnets), Ben Jonson, and Donne.

304. *The Seventeenth Century:* Miss Stapleton.
About a third of the time is devoted to Milton, and special attention is given to the influence of the political and scientific movements of the period.

[305. *The Eighteenth Century:* Dr. Woodworth.]
The Age of Pope and Swift; the Rise of the Novel; Dr. Johnson and his Circle.

306.* *Advanced Writing:* Miss Meigs.
Prerequisite: English 209c.

French

PROFESSORS: MARGARET GILMAN, Ph.D.
GERMAINE BRÉE, *Agrégée de l'Université*[1]
NON-RESIDENT PROFESSOR: GRACE FRANK, A.B.
ASSOCIATE PROFESSOR: BERTHE MARIE MARTI, Ph.D.
ASSISTANT PROFESSOR: JACQUES VAN DEN HEUVEL, *Agrégé de l'Université*
LECTURER: JACQUES GUICHARNAUD, *Agrégé de l'Université*
INSTRUCTOR: EDWARD P. MORRIS, A.B.

Graduate Course: Introduction to Old French Philology: Mrs. Frank.

This course includes the reading of various texts and a general survey of Old French Literature.

Seminary: Medieval French Literature: Mrs. Frank.

Each year one of the following seminaries is offered:

Old French Narrative Poetry.
The Dramatic Literature of Medieval France.
The Lyric, including the Courtly Lyric of Provence.

Seminary: French Literature of the Sixteenth and Seventeenth Centuries.

1949-50: *Montaigne:* Mr. Morris, Semester I.
Pascal: Mr. van den Heuvel, Semester II.

Seminary: French Literature since 1715.

1949-50: *Modern French Poetry and Criticism:* Dr. Gilman.

Graduate Course: The Department.

Semester I: *Problems and Methods of Research in French Literature.*

Semester II: *Representative French Books.*

All candidates for the M.A. and Ph.D. degrees in French are advised to elect this course. The course carries no credit.

ADVANCED UNDERGRADUATE COURSES

[301. *Introduction to Medieval French Literature and Philology.*]

[302. *French Poetry from Villon to Valéry.*]

303. *French Thought of the Sixteenth, Seventeenth and Eighteenth Centuries:* Mr. van den Heuvel.

The chief writers studied are Montaigne, Descartes, Pascal, Voltaire, Diderot, and Rousseau.

[304. *French Drama of the Seventeenth Century.*]

[1] On leave of absence for the year 1949-50.

[305. *The French Novel of the Eighteenth and Nineteenth Centuries.*]

306. *French Literature of the Twentieth Century:* Mr. Guicharnaud.

[307. *Advanced Training in the French Language.*]

Geology

Professors: Edward H. Watson, Ph.D.
Lincoln Dryden, Ph.D.

Associate Professor: Dorothy Wyckoff, Ph.D.

A preparation in general geology, mineralogy and paleontology is required. For students specializing in petrology, mineralogy or metamorphism courses in general chemistry, general physics, and physical chemistry are desirable; for those specializing in stratigraphy or paleontology, general biology and general chemistry are desirable.

At least three seminaries are offered each year, to be selected from the following:

Seminary: Petrology: Dr. Watson.

Selected subjects in the structure, physical chemistry and origin of the igneous rocks. Two lectures a week.

Seminary: Metamorphism: Dr. Wyckoff.

The physical and chemical processes of metamorphism, accompanied by regional studies. Two lectures a week.

Seminary: Petrographic Methods: Dr. Watson, Dr. Wyckoff.

This is largely a course in laboratory instruction and in general will accompany the seminaries in petrology and metamorphism. Special techniques such as the universal stage, integrating stage, mechanical separations from rocks and petrofabric analysis will be taught. Twelve hours of laboratory a week.

Seminary: Stratigraphy: Dr. Dryden.

A study of selected theoretical and practical problems of correlation. Usually conducted in connection with a field problem. Two lectures a week.

Seminary: Sedimentation: Dr. Dryden.

A study of the origin of sedimentary rocks; their source, transportation, and deposition. Two lectures and one afternoon of laboratory a week.

Advanced Undergraduate and Free Elective Courses

[301. *Structural and Field Geology:* Dr. Watson.]

The origin and analysis of the structures of igneous, sedimentary, and metamorphic rocks, and geological surveying. Three lectures, two afternoons of field work or laboratory a week.

302. *Stratigraphy:* Dr. Dryden.
A survey of the stratigraphy of selected regions in Europe and North America, and study of special problems of correlation and interpretation. Three lectures, one afternoon of laboratory a week.

303. *Optical Mineralogy* (first semester) and *Petrology* (second semester): Dr. Wyckoff.
The optical properties of minerals and the use of the petrographic microscope. Discussion of the origin and differentiation of igneous rocks. Two lectures, about twelve hours of laboratory a week. Credit: 1½ units.

[304.* *Cartography:* Dr. Watson, Dr. Wyckoff.]
Field surveying, drafting, photogrammetry, elementary geomorphology, and general cartography. Open to students without previous work in geology. Two lectures, two afternoons of laboratory a week.

[305. *Geography:* Dr. Wyckoff.]
Discussion of geographic factors such as climate, soils, vegetation, land forms and mineral resources. General principles of economic and political geography. Three lectures, one afternoon of laboratory a week.

306.* *The Development of Scientific Thought:* Dr. Wyckoff, Dr. Oppenheimer.
(See Interdepartmental Course 203, page 49.)

German

PROFESSORS: FRITZ MEZGER, Ph.D.
MAX DIEZ, Ph.D.
ASSOCIATE PROFESSOR: MYRA RICHARDS JESSEN, Ph.D.
INSTRUCTORS: MARTHA MEYSENBURG DIEZ, M.A.
HEINZ POLITZER

Each seminary meets two hours weekly. The seminaries given are selected from the following:

Seminary: German Literature: Dr. Jessen.
The Classical Drama: Goethe and Schiller.
The "Novelle" of Realism: Gottfried Keller and his Contemporaries.
The Lyric Poetry of Goethe and Hölderlin.

Seminary: German Literature: Dr. Diez.
The Nibelungenlegend, its Development in the Middle Ages and its Revival in the Nineteenth Century.

GERMANIC PHILOLOGY

The English and the German departments together have provided for a complete course in Germanic Philology, comprising both the study of the individual languages (Gothic, Norse, Anglo-

Saxon, Old Saxon, Old High German, Middle High German, Middle Low German, etc.) and the study of general Comparative Philology.

Students intending to elect Germanic Philology are advised to study Greek for at least one year during their undergraduate course.

Seminary in a Germanic Language: Dr. Mezger.

The seminary given is selected from the following:

Old Norse: Saga and Edda.

Old Saxon and Old Frisian.

History of the German Language.

History of the English Language.

Seminary: Germanic Philology: Dr. Mezger.

The seminary given is selected from the following:

Introduction to Germanic Philology.

Germanic and Indo-Germanic Word-Formation.

Germanic Metrics and Semantics.

Seminary: Old High German and Middle High German Language and Literature: Dr. Mezger.

Parzival *and* Tristan und Isolde.

Graduate Course: Language and Civilization: Dr. Mezger.

Advanced Undergraduate Courses

The courses given are selected from the following:

301. *Advanced Training in Translation:* Dr. Diez.

Written translation of difficult German prose and extemporaneous oral translation from and into German.

302. *History of German Civilization:* Dr. Diez.

303. *Classics of the Nineteenth Century:* Dr. Diez.

304. *German Literature from 1850 to 1930:* Dr. Mezger.

305. *Introduction to German Philology:* Dr. Mezger.

This course is given as *History of the German Language,* or *Old High German and Middle High German Literature.*

306. *The German "Novelle":* Dr. Jessen.

307. *German Drama:* Dr. Jessen.

308. *The German Lyric:* Mr. Politzer.

Greek

PROFESSOR: RICHMOND LATTIMORE, Ph.D.
ASSISTANT PROFESSOR: MABEL LOUISE LANG, Ph.D.

PROFESSOR OF CLASSICAL ARCHÆOLOGY: RHYS CARPENTER, Ph.D., Litt.D.

An adequate knowledge of Latin is expected. Each seminary meets two hours weekly.

Seminaries in Classical Archæology are available for graduate students in Greek who are qualified to enter them by some previous training in archæology.

Seminary: Dr. Lattimore.
1949-50: *Euripides.*

Seminary: Dr. Lang.
1949-50: *Orators.*

Seminary: Dr. Lattimore.
1950-51: *Herodotus.*

Seminary: Dr. Lang.
1950-51: *Homer.*

ADVANCED UNDERGRADUATE AND FREE ELECTIVE COURSES

203.* *Greek Literature in Translation:* Dr. Lattimore, Dr. Lang.

302. *Attic Tragedy, Attic Orators, Historians, Plato, Pindar, Melic Poets, Homer:* Dr. Lattimore, Dr. Lang.

The student selects her work from these fields and authors in consultation with the department.

History

PROFESSORS: HELEN TAFT MANNING, Ph.D., LL.D.
CAROLINE ROBBINS, Ph.D.
FELIX GILBERT, Ph.D.

ASSOCIATE PROFESSORS: JOHN CHESTER MILLER, Ph.D.
GEORGE CUTTINO, D.Phil.

PROFESSOR OF LATIN: THOMAS ROBERT SHANNON BROUGHTON, Ph.D.

Each seminary meets two hours weekly.

Graduate Course: History and Historical Method: The Department.

This lecture course should be elected by all students who are preparing themselves for the M.A. and Ph.D. degrees with History as a major. Seniors majoring in history may attend the lectures.

Seminary: Medieval History: Dr. Cuttino.

The seminary given is selected from the following:

Europe in the Age of Charlemagne.
The Twelfth Century Renaissance.
England and France, 1204-1339.

Seminary: Modern British History: Dr. Manning.

The seminary given is selected from the following:

Imperial or *English History, 1880-1940.*
English History, 1783-1846.

Seminary: Seventeenth Century England: Dr. Robbins.

The seminary given is selected from the following:

Civil War and Protectorate (1640-1660).
The Revolution Settlement (1688-1701).
Restoration and Revolution (1660-1688).

Seminary: Eighteenth Century Civilization: Dr. Robbins.

Seminary: American History: Dr. Miller.

The seminary given is selected from the following:

The Civil War and Reconstruction.
The Revolution, the Confederation and the Constitution.
Jeffersonian and Jacksonian Democracy.

Seminary in European History: Dr. Gilbert.

The seminary given is selected from the following:

Intellectual Problems in the Age of Machiavelli.
Revolution and Reaction in Germany and Western Europe.
International Affairs in the Modern World.

Seminary in Latin: Dr. Broughton.

The seminary given is selected from the following:

Livy's History of Rome.
Literature and History of the Second Century before Christ.
Cicero in the Literature and Politics of his Times.
The Augustan Empire.

ADVANCED UNDERGRADUATE AND FREE ELECTIVE COURSES

207.* *Ancient History:* Dr. Broughton.

[208. *History of Russia:* Dr. Gilbert.]

301. *History of Europe since 1890:* Dr. Gilbert.

302a. *Rise of the Americas:* Dr. Miller.

The French, Spanish, and British colonial empires; the revolutionary movements and the development of the Latin-American states to the present day.

303a. *Social and Intellectual History of the United States:* Dr. Miller.

[304a. *English History in the Nineteenth Century:* Dr. Manning.]

305a. *Renaissance and Reformation:* Dr. Gilbert.

European history in the Fifteenth and Sixteenth Centuries. Emphasis will be placed on the change in political and social institutions and in intellectual life, which occurred during these centuries.

History of Art

PROFESSOR: ALEXANDER COBURN SOPER, III, M.F.A., Ph.D.

ASSOCIATE PROFESSORS: JOSEPH C. SLOANE, JR., M.F.A., Ph.D.
RICHARD BERNHEIMER, Ph.D.

CURATOR OF SLIDES AND PHOTOGRAPHS: HENRIETTA HUFF LANDES, A.B.

Each seminary meets two hours weekly. The seminaries given are selected from the following:

Modern Art: Dr. Sloane.
Manneristic and Baroque Art: Dr. Bernheimer.
Art Theory: Dr. Bernheimer.
Far Eastern Art: Dr. Soper.

UNDERGRADUATE COURSES

201.* *Italian Art:* Dr. Bernheimer.

The arts of Italy from the thirteenth to the end of the fifteenth century are discussed in the first semester. The second semester covers the later phases of Italian art with some consideration of its influence on the Baroque in Spain and Germany.

[202. *Mediæval Art:* Dr. Soper, Dr. Bernheimer.]

The first semester covers the early mediæval period, the second the Romanesque and Gothic.

203a. *Northern Renaissance Art:* Dr. Soper.

From its beginnings through Breughel.

204b. *Northern Baroque Art:* Mr. Sloane.

From the late sixteenth century to the classic revival in the eighteenth century.

301.* *Art of the Far East:* Dr. Soper.

Chinese and Japanese art from the earliest dynasties to the present, including a survey of Indian art as an introduction to Buddhism in the Far East.

302. *Modern Art:* Dr. Sloane, Dr. Soper.

In the first semester the pictorial arts are traced from David to the present day. In the second semester, the architecture and sculpture of the same period are discussed.

History of Religion

PROFESSOR OF ENGLISH LITERATURE: SAMUEL CLAGGETT CHEW, Ph.D.
ASSOCIATE PROFESSOR OF LATIN: AGNES KIRSOPP MICHELS, Ph.D.
ASSOCIATE PROFESSOR OF PHILOSOPHY AND RELIGION: GEDDES MACGREGOR, B.D., D.Phil.

Instruction offered in the History of Religion and in Biblical Literature is not organized on the scale of a regularly constituted department; there is no major work in either subject.

101a.* *The Rise of Judaism:* Dr. A. K. Michels.

The reading is taken, as far as possible, from the original sources.

101b.* *Early Christianity:* Dr. A. K. Michels.

The reading is taken, as far as possible, from the original sources.

[102c.* *Christianity in the Roman Empire:* Dr. A. K. Michels.]

The reading is taken, as far as possible, from the original sources.

103.* *Literary History of the Bible:* Dr. Chew.

The English Bible from the point of view of origins and literary forms.

201a. *Philosophy and Religion:* Dr. MacGregor.

This course is also listed as Philosophy 203a.

201b. *Comparative Religion:* Dr. MacGregor.

Italian

ASSOCIATE PROFESSOR: ANGELINE HELEN LOGRASSO, Ph.D.

Each seminary meets two hours weekly.

Seminary: Italian Literature: Dr. Lograsso.

The seminary given is selected from the following:

Dante.
Studies in Italian Romanticism.
Manzoni.
Literary Criticism.

Seminary: Old Italian: Dr. Lograsso.
(Given as required)

Old Italian Philology, with critical readings of early Italian texts.

ADVANCED UNDERGRADUATE AND FREE ELECTIVE COURSES

[102c.* *Dante in English Translation:* Dr. Lograsso.]
The New Life and *Divine Comedy.*

[103c.* *Literature of the Italian Renaissance in English Translation:* Dr. Lograsso.]

From Petrarch to Tasso; pastoral literature; literary criticism and aesthetic theories of the Renaissance with special reference to their influence on other literatures.

[301. *Dante:* Dr. Lograsso.]

The *Vita Nuova* and *Divina Commedia,* with some attention to the minor works.

[302c. *The Italian Language:* Dr. Lograsso.]

Advanced work in composition.

[303. *Italian Literature of the Rinascimento:* Dr. Lograsso.]

[304. *Italian Literature of the Romantic Period:* Dr. Lograsso.]

Latin

PROFESSORS: LILY ROSS TAYLOR, Ph.D., Litt.D.
THOMAS ROBERT SHANNON BROUGHTON, Ph.D.

ASSOCIATE PROFESSORS: BERTHE MARIE MARTI, Ph.D.
AGNES KIRSOPP MICHELS, Ph.D.

All students who intend to do advanced work in Latin should have an adequate knowledge of Greek. Each seminary meets two hours weekly.

Seminary: Dr. Taylor, Dr. Broughton.
1949:50: *Studies in the Literature and History of the Late Republic.*

Seminary: Dr. Michels.
1949-50: *Roman Religion.*

Seminary: Dr. Marti.
1949-50: *Boethius' Consolation of Philosophy and Its Tradition during the Middle Ages and the Renaissance.*

Seminary: Dr. Taylor, Dr. Broughton.
1950-51: *Studies in the Literature and History of the Second Century B.C.*

Seminary: Dr. Marti.

1950-51: *History of Classical Scholarship in the Middle Ages.*

Two of the following Seminaries will be given in subsequent years:

Catullus and Lucretius: Dr. Taylor, Dr. Marti.

Cicero in the Literature and Politics of His Times: Dr. Taylor, Dr. Broughton.

The Augustan Empire: Dr. Broughton.

Livy's History: Dr. Taylor, Dr. Broughton.

Roman Satire: Dr. Michels.

Latin Literature in the Twelfth Century: Dr. Marti.

Advanced Undergraduate Courses

[301a. *Vergil's Georgics and Aeneid:* Dr. Michels.]

[301b. *Livy's History and Tacitus's Annals:* Dr. Broughton.]

302a. *Lucretius and Catullus:* Dr. Taylor.

The *De Rerum Natura* of Lucretius and the longer poems of Catullus.

302b. *Cicero and Cæsar:* Dr. Broughton.

Extensive selections from Cicero's *Orations* and *Letters* and from Cæsar's *Commentaries.* Chief emphasis is placed on the social and political history of the period.

Mathematics

Associate Professors: John Corning Oxtoby, M.A.
Marguerite Lehr, Ph.D.[1]

Assistant Professor: Lindley J. Burton, Ph.D.

At least three seminaries are offered each year. Additional courses in directed reading and research can be arranged. A joint Mathematical Colloquium with Haverford and Swarthmore colleges and the University of Pennsylvania holds fortnightly meetings.

The seminaries given are selected from the following:

Abstract Algebra
Algebraic Geometry
Differential Geometry
Fourier Series
Linear Spaces
Mathematical Physics
Measure Theory
Probability Theory and Mathematical Statistics
Projective Geometry and Lattice Theory
Theory of Functions of a Complex Variable
Theory of Functions of a Real Variable
Topology

[1] Granted leave of absence, Semester II, 1949-50.

ADVANCED UNDERGRADUATE COURSES

301. *Advanced Calculus:* Mr. Oxtoby.
Prerequisite: Mathematics 201.

302a. *Introduction to Geometric Theories:* Dr. Lehr.
Prerequisite: Mathematics 202c.

303b. *Introduction to Abstract Algebra:* Dr. Lehr.
Prerequisite: Mathematics 202c.

304a. *Theory of Probability and Statistics:* Dr. Lehr.
Prerequisite: Mathematics 201.

310. *Theory of Functions of a Complex Variable:* Mr. Oxtoby.
Prerequisite: Mathematics 301.

[311b. *Differential Equations:* Mr. Oxtoby.]
Prerequisite: Mathematics 301 (may be taken concurrently).

Music

PROFESSOR: HORACE ALWYNE, F.R.M.C.M.

ASSISTANT PROFESSOR: ROBERT L. GOODALE, A.B., B.Mus., A.A.G.O.

LEADER OF ORCHESTRA AND ENSEMBLE GROUPS:
WILLIAM REESE, Ph.D.

Individual students may be directed in special work by means of private conferences. Graduate students are cordially invited to join the orchestra and chamber music groups organised by the department.

The seminary meets two hours weekly.

Seminary: Free Composition: Mr. Alwyne.

Requirements for admission: the four undergraduate courses in Harmony and Counterpoint; or the student must satisfy the instructor that she is qualified to enter. This seminary deals with the application to Free Composition of the preceding courses in Harmony and Counterpoint.

ADVANCED UNDERGRADUATE AND FREE ELECTIVE COURSES

Students in the courses in History and Appreciation of Music must devote two hours or more a week to listening to gramophone records assigned by the department.

101.* *History and Appreciation of Music:* Mr. Alwyne.

A comprehensive survey from the period of Bach to the end of the nineteenth century, with special emphasis on the technique of intelligent listening.

201.* *Advanced History and Appreciation of Music:* Mr. Alwyne.

A more amplified and intensive study of nineteenth century music. The Symphonic Poem, Art-Song and Music-Drama. Expansion of orchestral and pianoforte technique; development of symphonic and chamber-music forms; growth of Nationalism.

Prerequisite: Music 101 or its equivalent.

301c.* *Third Year History and Appreciation of Music:* Mr. Alwyne.

The development of Opera and Music-Drama. The trends of Modern Music and significant representative works.

Prerequisites: Music 101 and 201 or their equivalents.

102.* *Elementary Harmony:* Mr. Goodale.

Principles of melodic writing, in one and two voices. Harmony in four voices. Triads in root position, first and second inversions; 7th chords; modulation. Formal and harmonic analysis. Sight singing and dictation.

202.* *Advanced Harmony:* Mr. Goodale.

Continuation of Music 102. Original composition in the larger forms. Advanced analysis. Sight singing and dictation.

Prerequisite: Music 102 or its equivalent.

203c.* *Elementary Counterpoint:* Mr. Goodale.

Composition and analysis of counterpoint in the style of the sixteenth century.

Prerequisite: Music 102 or its equivalent.

302c.* *Advanced Counterpoint:* Mr. Goodale.

Composition and analysis in the style of Bach. This will include a study of the large contrapuntal forms.

Prerequisite: Music 102 and 203c or the equivalent.

Philosophy

Professors:	Milton Charles Nahm, B.Litt., Ph.D.
	Paul Schrecker, Ph.D.
Associate Professors:	Isabel Scribner Stearns, Ph.D.
	Geddes MacGregor, B.D., D.Phil.
Assistant Professor:	Hugues Leblanc, Ph.D.

A minimum of three seminaries, historical and systematic, is offered each year. Each seminary meets two hours weekly. Adjustments will be made in the sequence of the seminaries listed below according to the needs of the students. Students have the privilege of becoming auxiliary members of the Fullerton Philosophy Club, which meets each month at the Deanery, and at which papers are read by members of the faculties of Bryn Mawr College, the University of Pennsylvania, Swarthmore College, Haverford College, etc.

Seminary: Dr. Nahm.

1949-50: *Aesthetics.*

A systematic and historical analysis of problems in the philosophy of art.

1950-51: *Ethics.*

The Ethics of Kant and Hegel; or The History of English Ethics; or Henry Sidgwick and contemporary British Moralists.

1951-52: *Kant.*

Critique of Pure Reason.

Seminary: Dr. Stearns.

1949-50. *Plato.*

A detailed study of the later dialogues.

1950-51: *Metaphysics.*

A study of such problems as the nature of time, the one and the many, the individual, appearance and reality.

1951-52: *Epistemology.*

An historical and systematic study of the function of reason and other agencies of knowledge.

Seminary: Dr. Leblanc.

1949-50: *Logic.*

A systematic study of one or more topics in logical theory.

1950-51: *British Empiricism.*

The philosophies of Locke, Berkeley, and Hume.

1951-52: *The Theory of Meaning.*

Detailed study of meaning in the light of developments in modern logic.

ADVANCED UNDERGRADUATE AND FREE ELECTIVE COURSES

203a.* *Philosophy and Religion:* Dr. MacGregor.

The nature and interpretation of religion and the relation between religion and philosophy.

301a. *Aesthetics:* Dr. Nahm.

Types of aesthetic theory and problems of aesthetic experience.

301b. *Problems of Philosophy:* Dr. Leblanc.

A study of existential or empirical philosophies.

302a. *Plato:* Dr. Stearns.

A study of the later dialogues.

302b. *Philosophy of History:* Dr. Schrecker.

The philosophical interpretation of history, its meaning and laws.

303b.* *Mediæval Philosophy:* Dr. MacGregor.

The influence of Greek philosophy on mediæval thought; the philosophy of the early Christian Fathers and of the Schoolmen; the Thomist synthesis.

Physics

Professor: Walter C. Michels, Ph.D.
Assistant Professors: Rosalie C. Hoyt, Ph.D.
John R. Pruett, M.S.[1]

One or two graduate seminaries in theoretical physics are offered each year. In addition, a seminary in experimental physics is arranged individually for students desiring it, and generally serves as an introduction to a research problem. Each full-time graduate student majoring in the department is expected to carry on some experimental work in every year. Students electing physics as their major subject for the degree of Doctor of Philosophy are in general expected to offer mathematics as an allied subject. They may substitute chemistry, biology or geology if their mathematical training is accepted as adequate for their work in physics.

Every candidate for a graduate degree is expected to have completed Physics 304 or its equivalent.

Seminary: Experimental Physics: Dr. Michels, Dr. Hoyt, Mr. Pruett.

Seminary: Mr. Pruett.
1949-50: *Quantum Mechanics.*

Seminary: Dr. Michels.
1950-51: *Electromagnetic Theory.*

Seminary: Dr. Hoyt.
1950-51: *Biophysics.*

Advanced Undergraduate and Free Elective Courses

303. *Introduction to Experimental Physics:* Dr. Michels.
Three lectures, four hours laboratory a week. Prerequisites: Physics 206 and Mathematics 201 (either may be taken concurrently).

304. *Introduction to Theoretical Physics:* Dr. Hoyt.
Four lectures a week. Prerequisites: Physics 206, Mathematics 201, and Physics 303 (may be taken concurrently).

305. *Physical Measurements:* Dr. Michels and Dr. Hoyt.
Four hours laboratory a week. Prerequisites: Physics 303 or Physics 304 (either may be taken concurrently).

351.* *Application of Physics to Biology and Chemistry:* Dr. Hoyt.
Three lectures, four hours laboratory a week. Prerequisites: Physics 101 and Mathematics 101 and second year work in either Chemistry or Biology.

[1] Ph.D. to be conferred August, 1949.

Political Science

The Caroline McCormick Slade Department of Political Science

PROFESSORS:	ROGER HEWES WELLS, Ph.D. K. LAURENCE STAPLETON, A.B.
ASSISTANT PROFESSOR:	PETER BACHRACH, M.A. Appointment to be announced.

Two seminaries in Political Science are usually offered each year and are taken from the following subjects: Political Theory, Constitutional Law of the United States, Public Administration, Comparative Government, International Relations. The seminaries and advanced undergraduate courses listed for 1949-1950 are:

Seminary: Problems in Political Theory: Miss Stapleton.

The seminary is devoted to an analysis of the concepts of law, sovereignty, rights and citizenship.

Seminary: Topics in American Constitutional Law: Semester I. Mr. Bachrach.

Among the topics selected for examination in the seminary are: the development of civil rights; the commerce clause; the due process clauses; taxation; and the general problem of federalism. Relevant Supreme Court decisions are discussed in detail.

Seminary: Public Administration in the Modern State: Semester I. Dr. Wells.

The subjects covered in the seminary include: administrative organization; the legislature and administration; public relations of administrative agencies; inter-governmental relations; government personnel problems; and financial administration. The main emphasis is placed on public administration in the United States but comparisons are made with the administrative principles and practices of other countries and with international agencies such as the United Nations. (Public Administration is also offered as an advanced undergraduate course. See Politics 312a.)

Advanced Undergraduate Course: Politics 313: Reconstruction in Western Europe: Dr. Wells.

Either semester may be taken separately. The first semester is devoted to a thorough study of the German problem in its internal and international aspects. In the second semester, a detailed analysis is made of the government and politics of France. This is followed by a discussion of the European Recovery Program, the West European Union and the North Atlantic Pact.

JOURNAL CLUB

Graduate students are expected to attend the meetings of the combined History, Economics and Political Science Journal Club.

Psychology

Associate Professors: Magda Blondiau Arnold, Ph.D.
Rachel Dunaway Cox, Ph.D.

Assistant Professor: Joe Kennedy Adams, Ph.D.
Appointment to be announced.

Each seminary meets two or more hours weekly.

Seminary: Research Problems: Dr. Adams.

Methods of measurement, statistical techniques, practice in observation and acquaintance with standard types of apparatus are stressed.

Seminary: Social Psychology: Instructor to be announced.

Seminary: Emotion and Motivation: Dr. Arnold.

Survey and evaluation of theories of emotion and motivation on the basis of recent experimental work in these fields.

Seminary: Psychopathology: Dr. Arnold.

Problems of abnormal and dynamic psychology.

(Not given in 1949-50)

Seminary: History of Psychology.

(Not given in 1949-50)

Seminary: Neuroanatomy and Physiological Psychology: Dr. Oppenheimer and instructor to be announced.

(Not given in 1949-50)

The first semester is devoted to lectures and laboratory work in neuroanatomy; in the second semester the emphasis is on topics in physiological psychology.

For graduate work in Educational Psychology see the Department of Education (pages 25-26).

Advanced Undergraduate Courses

301. *Advanced Experimental Psychology:* Dr. Adams.

About six weeks are devoted to a consideration of psychophysical and statistical methods, after which the student's time is given to experimental work on a selected problem. Students must obtain the consent of the instructor before registering for this course.

302a. *Clinical Psychopathology:* Dr. Arnold.

The psychodynamics of abnormal behavior, clinical types, methods of investigation, and principles of psychotherapy. Students attend the clinic conducted by Dr. Edward A. Strecker, Professor of Psychiatry, School of Medicine, University of Pennsylvania.

Prerequisite: Psychology 101, 201a, 202b, 203a, 204b.

302b. *Psychology of Personality:* Dr. Arnold.

The study of the problems of development and organization of personality. Prerequisites: 101, 201a, 302a.

Russian

ASSISTANT PROFESSOR: FRANCES DE GRAAF, Ph.D.
Appointment to be announced.

ASSOCIATE PROFESSOR OF ENGLISH: BETTINA LINN, M.A.

UNDERGRADUATE COURSES

1. *Elementary Russian:* Dr. de Graaf.

101. *Intermediate Russian:* Dr. de Graaf.

Composition and conversation; reading in Russian literature and contemporary material. Prerequisite: Elementary Russian.

201. *Readings in Russian Literature.*

Representative writers of the nineteenth century. Conducted mostly in Russian.

An advanced course, given in Russian, is selected from the following:

301. *Russian Poetry of the Nineteenth Century.*

302. *Pushkin and his Time.*

303. *Russian Literature of the Twentieth Century.*

304. *Social Trends in Nineteenth Century Russian Literature.*

FREE ELECTIVE COURSES

[202. *General Readings in Russian.*]

Primarily intended for students who want a good reading knowledge of the language, but are not majoring in Russian. The reading texts cover a variety of subject matter, such as history, economics, politics, science, as well as literature. Some lectures in Russian about the cultural background of Russia are included, with oral reports by the students and discussion of specific topics in Russian.

203. *Russian Literature in Translation:* Miss Linn.

The leading Russian writers of the nineteenth century in translations. Students registering for the course should read in the preceding summer the following novels: Dostoevsky's *Crime and Punishment,* Tolstoi's *War and Peace,* and two of Turgenev's novels.

Social Economy

The Carola Woerishoffer Department
of
Social Economy and Social Research [1]

PROFESSOR:	FLORENCE PETERSON, M.A.
ASSOCIATE PROFESSOR:	HERTHA KRAUS, Ph.D.
LECTURER AND SUPERVISOR OF SOCIAL CASE WORK:	MARY MARGARET ZENDER, M.A., M.S.S.
LECTURER IN MEDICAL SOCIAL WORK:	MURIEL JANET GAYFORD, M.S.P.A.
LECTURER IN SOCIAL RESEARCH:	KATHERINE LOWER, Ph.D.
SPECIAL LECTURERS IN PSYCHIATRIC INFORMATION:	LEON J. SAUL, M.D. M. ROYDEN C. ASTLEY, M.D.
SPECIAL LECTURER IN MEDICAL INFORMATION:	ARTHUR M. ROGERS, M.D.

The Department maintains several types of programs leading toward different degrees. The programs for the M.A. and the Ph.D. are for students who are primarily interested in theory and intensive research in a chosen special area. The curriculum of studies includes sociological and social theory, labor relations, and research in industrial and social conditions.

The program leading to the degree of Master of Social Service includes four semesters and a ten-week summer session between the first and second years. The program is designed to prepare students for work in the various social services and offers three major areas of concentration—social casework, community organization and social research. In general, candidates for the M.S.S. degree are required to take *History of Social Welfare, Physical and Psychological Development of the Individual* and *Introduction to Social Research* during the first semester of their first year and *Legislation for Social Security, Problems of Physical and Mental Disease* and *Casework I* during the second semester of their first year, and *Social Research* during the first semester of their second year. Further requirements are contingent upon the candidate's field of concentration. Elective courses may be taken in other departments of the College.

Each seminary meets two hours a week.

[1] For additional information write for Bulletin of The *Carola Woerishoffer* Graduate Department of Social Economy and Social Research.

Labor-Management Relations (first semester): Miss Peterson.

Economic and social forces which influence labor and management relations; the process of collective bargaining and its impact upon workers, industry, and the public.

Labor Problems (second semester): Miss Peterson.

Wages and standard of living; union-management cooperation and conflict; the government's role in the settlement of labor problems.

History of Social Welfare (first semester): Dr. Kraus.

Principles and practices of the more important earlier methods of assisting the poor, the physically, mentally and socially handicapped, and of the major community resources developed for the purpose both here and abroad.

Legislation for Social Security (second semester): Dr. Kraus.

Social legislation in the United States, current and pending, with emphasis on the changes in fundamental concepts. Important social legislation in other countries is used as comparative material.

International Welfare Services: Dr. Kraus.

The history and principles of international cooperation for social welfare in the fields of war and disaster relief, and international aid to rehabilitation and resettlement. Special attention is given to the strengthening of the social welfare component in various inter-governmental agency programs and the development of long-range policies and standards for human welfare and suitable methods for their international implementation.

(Offered on request of a sufficient number of students.)

Physical and Psychological Development of the Individual (first semester): The Department and Special Lecturers.

Selected knowledge from the fields of medicine, psychology, and psychiatry regarding normal growth and change of the individual as an integrated, functional organism. The emphasis is on the process of adjustment during growth and the building up of mechanisms for meeting physical and social forces in a changing culture.

Problems of Physical and Mental Disease (second semester): The Department and Special Lecturers.

Knowledge from the related fields of medicine and psychiatry regarding specific disease processes as they commonly appear in social work practice. The emphasis is on those diseases which have an important social component, especially the chronic illnesses, and on related or resulting problems of social maladjustment.

Advanced Psychiatric Information (first semester): Dr. Saul.

Ten lectures giving a systematic presentation of the field of psychiatry as it impinges upon the work of the social case worker. No credit, but required of all students majoring in casework.

ADVANCED UNDERGRADUATE AND FREE ELECTIVE COURSES

202b.* *Child Welfare Services:* Dr. Kraus.

A survey of child welfare needs and services with special emphasis on the development of recent government programs.

310. *Sociological Theory:* Instructor to be announced.

Factors involved in the sociological interpretation of society and culture; the nature of social interaction, control and change with particular attention to the social problems involved.

PROCESSES AND TECHNIQUES

Social Casework I (second semester): Miss Zender and Miss Gayford.

The generic processes in casework practice; interaction among client, worker, agency, and community developed through class discussion of the student's own material and material introduced by the instructor. Field work: 300 hours.

Social Casework I (summer): Miss Zender and Miss Gayford.

Continuation of generic processes in casework practice. Field work: 300 hours.

Social Casework II (one year): Miss Zender.

A study of case material designed to increase the student's skill in dealing with the various problems which bring clients to the social casework agencies. Field work: 600 hours.

Principles of Medical Social Work (one year): Miss Gayford.

Medical social casework in various medical settings with emphasis upon understanding the social and emotional component in illness and in medical care; administrative problems of medical social work. A series of medical lectures, clinic observation and participation in medical conferences are arranged at various medical schools in Philadelphia. Field work: 600 hours.

Principles of Group Work: Dr. Kraus.

Basic principles of group work, its elementary techniques, the interrelation of group work and casework, and the application of group work principles and skills to other areas of social work.

(Offered on request of a sufficient number of students.)

Community Organization (first semester): Dr. Kraus.

Past and present methods and trends in the organized planning, promotion, and implementation of social welfare programs in different functional fields and in relation to their operation on different levels of government.

Students majoring in Community Organization will be assigned block field work during one summer. (375 hours.)

Social Administration (second semester): Dr. Kraus.

The principles and procedures of administration as applied to public and private social agencies; inter-agency relations. Opportunities for field work and research will be arranged according to the interests and qualifications of the students.

Personnel Administration in Industry: Miss Peterson.

Selection and training; work incentives and work conditions; adjustment of employee grievances.

(Offered on request of a sufficient number of students.)

Introduction to Social Research (first semester): Dr. Lower.

Principles, methods and use of social research.

Required of all candidates for degrees who have not had an equivalent undergraduate or graduate course.

Social Research (first semester): Dr. Lower.

The more advanced methods and recent developments in social research as well as application of research methods in the planning and execution of specific projects.

Sociology and Anthropology

ASSOCIATE PROFESSOR: FREDERICA DE LAGUNA, Ph.D.
Appointment to be announced.

Students may specialize in either Sociology or Anthropology. Each seminary meets two hours weekly.

SOCIOLOGY

The seminary given is selected from the following:

Social Analysis of Modern Societies: Instructor to be announced.

Social Theory and Sociological Systems: Instructor to be announced.

ANTHROPOLOGY

The seminary given is selected from the following:

Cultural Dynamics: Dr. De Laguna.

North American Culture History: Dr. De Laguna.

Culture and Personality: Dr. De Laguna and a member of the Department of Psychology.

Additional graduate courses are available at the University of Pennsylvania in Philadelphia. The Philadelphia Anthropological Society meets monthly at the University Museum.

ADVANCED UNDERGRADUATE AND FREE ELECTIVE COURSES

203.* *American Archæology:* Dr. De Laguna.

205.* *Ethnology: Method and Theory:* Dr. De Laguna.

310. *Social Theory:* Instructor to be announced.

See also *Social Research* in the Department of Social Economy; *Social Psychology* in the Department of Psychology.

Spanish

DEAN OF THE COLLEGE: DOROTHY NEPPER MARSHALL, Ph.D.
ASSISTANT PROFESSOR: MANUEL ALCALÁ, D.Litt.
LECTURER: JOSÉ FERRATER MORA, *Licenciado.*
INSTRUCTOR: MARGARITA ESTEVES, M.A.

Each seminary meets two hours weekly.

Seminary: Mr. Ferrater Mora.
1949-50: *Eighteenth Century Spanish Thought.*
Two of the following seminaries will be given in subsequent years:
Cervantes: Instructor to be announced.
Humanists of the Sixteenth Century: Dr. Alcalá.
Spanish Drama of the Golden Age: Instructor to be announced.
Twentieth Century Spanish Literature: Dr. Marshall.

ADVANCED UNDERGRADUATE AND FREE ELECTIVE COURSES

[201.* *Spanish Literature of the Romantic and Modern Periods:* Dr. Alcalá.]

202.* *The Spanish Lyric:* Dr. Alcalá.
Lyrical poetry in the Hispanic countries from the beginnings to the present day. Collateral reading and reports.

[203.* *The Spanish Novel:* Dr. Marshall.]
The history of the novel in Spain from the beginnings to the present day. Collateral reading and reports.

[301. *The Age of Cervantes.*]

[302. *Spanish Drama of the Golden Age.*]

303. *Spanish Thought of the Nineteenth and Twentieth Centuries:* Mr. Ferrater Mora.

Interdepartmental Courses

The following courses are given by several departments in cooperation. The object is to cut across well defined areas of knowledge and to show the relationships existing among them.

[202.* *Aspects of Eighteenth Century Life and Thought:* Dr. Manning, Dr. Northrop, Miss Stapleton.]

203.* *The Development of Scientific Thought:* Dr. Wyckoff, Dr. Oppenheimer.
The study of the development of scientific ideas and techniques in chronological sequence, and their origins, interrelationships, and impact on other intellectual activities of various periods. Open to students who have had one year of laboratory science in college. (This course is also listed as Biology 307 and as Geology 306*.]

[211.* *The Theory and Practice of Democracy:* Dr. Wells, Miss Stapleton, Dr. Stearns, Dr. Hubbard.]
The fundamental concepts of democracy and their expression in governmental institutions; their relationship to contemporary political problems.

THE DEGREES OF MASTER OF ARTS AND DOCTOR OF PHILOSOPHY

Bryn Mawr College awards the degrees of Master of Arts, Doctor of Philosophy, and Master of Social Service. Pamphlets containing full information about the degrees of Master of Arts and Doctor of Philosophy may be obtained on request from the Office of the Dean of the Graduate School. For the requirements for the degree of Master of Social Service see page 45 of this Calendar.

THE DEGREE OF MASTER OF ARTS

The degree represents the completion of a coordinated program of graduate work which, for a well prepared candidate, requires a minimum of a full year of graduate study. Work for the degree may be spread over two or three academic years which need not be in succession but must be included in a five-year period. Only courses taken at Bryn Mawr College are credited for the degree.

Prerequisites. The prerequisite for the M.A. degree is an A.B. degree or its equivalent from an American college of recognized standing[1] or a degree or certificate of the same standard from a foreign university. The preparation must include such undergraduate work in the candidate's major subject and allied fields as various departments shall require.

Application. The candidate must apply for the degree in the department of the major work and must receive the endorsement of the department for the program of work. The application and the program endorsed by the major department must be submitted to the Dean of the Graduate School not later than December first of the academic year in which the candidate wishes to take the degree.

Language Requirement. A reading knowledge of French and German is in general required of all candidates. For the reading knowledge of one of these languages, certain departments may accept another language or a special technique. The only departments which regularly accept substitutes for French or German are Economics, Educational Psychology, Geology, Political Science, Psychology, Social Economy, and Spanish. Candidates whose major work is in French or German must offer a reading knowledge of another language.

[1] In general, this term has been interpreted to mean colleges of the United States and Canada on the approved list of the Association of American Universities. Graduates of other American and Canadian colleges may, at the request of a department, be admitted to candidacy on probation. At any time after the completion of one semester of graduate work at Bryn Mawr College the Graduate Committee may, on the recommendation of the department, accept the student on probation as a candidate.

A student whose mother tongue is French may offer German and English as languages to meet this requirement. A student whose mother tongue is German may offer French and English. A foreign student whose mother tongue is not French, German or English may offer French or German and English. The requirement in English shall be met by a certificate from the student's major department that her English is adequate or by a special examination given by her department not later than January in the year in which the degree is to be taken. This special regulation for foreign candidates does not prevent a department from refusing admission to any seminary to a student whose language equipment is not satisfactory for that seminary.

The language requirement is met by passing one of two types of papers, hereafter referred to as the A.B. and the Ph.D. types. (1) A.B. type: a general test of reading at sight and with a dictionary which is given by Bryn Mawr College to candidates for the A.B. degree. (2) Ph.D. type: a test set by the major department in reading at sight and with a dictionary technical material in the candidate's field such as is required of Ph.D. candidates at Bryn Mawr College. Departments vary in the type of paper required.

Examinations in languages and in the techniques which may be substituted for one language will be held three times each year, in October, January, and April. The April examination is open only to candidates for the degree in later years. The two examinations required of each student must be passed by January of the academic year in which the student is a candidate; for students who take more than one year for the degree, both examinations must be passed by January of the year in which the last full unit for the degree is taken.

Students are expected to prepare for these examinations before entering upon the work for the M.A. degree and are strongly urged to take both examinations in October. Students who do not meet the two requirements in languages and techniques in October may find it impossible to carry a full program and complete the requirements for the degree in one year. All departments except Biology, Classical Archæology, Mathematics, and Spanish refuse to accept as candidates in the current year students who have not passed at least one of the examinations in October.

Program of Work. The candidate's program must include three units of work: (1) one seminary or graduate course; (2) a second seminary or supervised unit of graduate work; (3) a third seminary or an undergraduate course recommended by the major department. If undergraduate courses are included in this last unit, they must be supplemented by organized individual work. Under certain circumstances advanced undergraduate courses in science can be counted as seminaries, subject to the approval of the department and the Dean of the Graduate School. It is expected that this program will frequently include study in an allied field. Candidates whose major department conducts a Journal Club are expected to include the Journal Club in their registration.

Special Field. The candidate shall, in consultation with the major department, select a special field for the M.A. paper and the Final Examination. It is expected that this field will normally relate to one of the seminaries or units of graduate work in the candidate's program.

Final Requirements.

1. *Courses.* Before the Final Examination period, candidates must have completed to the satisfaction of their instructors the courses registered for the degree. No candidate will be admitted to the Final Examination if a course is reported as unsatisfactory.

2. *Paper in the Special Field of the Student's Major Subject.* Every candidate must present a paper in the special field. The paper may take the form of a report on a special piece of investigation carried on throughout the year or during a definite period, or of a problem which is assigned to be completed during a specified limit of time.

3. *An Examination.* Every candidate must pass a Final Examination which shall test her ability to place the special field in a general background of her major subject.

The Final Examination may not be taken until

(1) the language requirements have been met (by January of the year in which the last full unit for the degree is registered);

(2) the three units have been reported as satisfactory;

(3) the paper in the special field has been accepted.

THE DEGREE OF DOCTOR OF PHILOSOPHY

The course of study for the degree of Doctor of Philosophy at Bryn Mawr College is designed to prepare the candidate for a professional career as a scholar. The course offers the student the opportunity to acquire a broad general background in the chosen fields of knowledge and practice in research in these fields. The degree is awarded after the student's general knowledge and ability in research have been tested by examination and by a dissertation.

The candidate for the Ph.D. degree should have ability of high order, intellectual curiosity and critical judgment, independence, a broad general education, fundamental training in the major and allied fields and the determination needed to carry through an exacting program.

The general requirements for the Ph.D. degree, to which should be added the specific regulations of the various departments, are:

1. An undergraduate preparation in major and allied fields which is satisfactory to the departments concerned and to the Graduate Committee.

2. A course of study requiring a minimum, which will usually be exceeded, of three full years of graduate work in major and allied fields; two of these years, or for holders of the A.B. degree from Bryn Mawr College one, must be spent in the Graduate School of Bryn Mawr College. Candidates are strongly advised to complete at least seven units of graduate work including five graduate courses; there are, however, no formal course requirements for students who have been accepted as candidates for the degree.

3. The acceptance of the student as a candidate by the Director of her work, by members of her major department, and by the Graduate Committee.

4. A reading knowledge of French and German, tested by a written examination in the translation of French and German texts in the field of the major subject.

5. A satisfactory Preliminary Examination in the candidate's major and allied fields. This examination is intended to test the candidate's general knowledge of the fields rather than familiarity with particular courses.

6. The preparation of a dissertation judged to be a contribution worthy of publication. The dissertation must represent independent investigation in the field covered by the major subject. It must contain new material, results or interpretations.

7. A satisfactory Final Examination in the special field of the major subject in which the dissertation has been written.

8. The publication of the dissertation in whole or in part. Microfilming is accepted as a method of publication.

THE LIBRARY

The Library of Bryn Mawr College contains over 204,000 volumes and approximately 14,000 pamphlets. Nine hundred periodicals and serial publications in English, French, German, Italian, Russian, Spanish, and Swedish are currently received. The basic collection of books is contained in the M. Carey Thomas Library. The seminary rooms of each department contain books needed for graduate study. Dalton Hall contains the departmental libraries in Biology, Mathematics, and Physics; Park Hall the departmental libraries in Chemistry and Geology.

The privilege of drawing books from any of these collections (with the exception of those books that are on reserve) is granted to all registered students. There is free access to the stacks. The library is open daily, except Sunday, from 8 A.M. to 10 P.M. and on Sunday from 9 A.M. to 10 P.M.

Students have the privilege of using the Library at Haverford College. The Bryn Mawr catalogue includes duplicate "author cards" of books at Haverford.

OTHER LIBRARY FACILITIES

The Union Library Catalogue in the Fine Arts Building of the University of Pennsylvania makes possible the easy location of books to be found in any of about one hundred and sixty cooperating libraries in the Philadelphia metropolitan area. This catalogue contains a record of about 3,500,000 titles. The Philadelphia Bibliographical Center and Union Library Catalogue endeavors to assist research workers in bibliographical problems which fall outside the scope of any individual library.

The University of Pennsylvania libraries, main, departmental, and special, contain approximately 1,135,000 bound volumes and 230,500 pamphlets. Notable among the special collections are the Henry C. Lea Library of Medieval History and the Horace Howard Furness Memorial Library of Shakespeareana. There are also large special collections in Romance literature and philology; in classical literature and philology; in Semitic languages; in early American drama; in archæology, anthropology, and other fields. The University libraries receive jointly over twenty-five hundred periodicals and several thousand doctoral dissertations annually.

The Philadelphia area is rich in other important libraries. The Historical Society of Pennsylvania possesses extensive collections of manuscripts dealing with both the colonial and national periods, including transcripts of important documentary material from English archives, local records, both American and English, and a great number of special collections. The Library Company of

Philadelphia houses extensive collections of European and American books, pamphlets, periodicals, and society publications in many fields; American history is a major interest. It also includes the Loganian Library, a printed catalogue of which is available. The Free Library of Philadelphia has extensive collections of government publications, and special collections in art, music, law, etc. The American Philosophical Society is rich in important historical manuscripts, pamphlets, and publications of learned societies, etc. The Philadelphia Commercial Museum contains a large library and extensive exhibits pertaining to trade, industry, and geography. Also to be mentioned are the libraries of the Franklin Institute, the Academy of Natural Sciences, the College of Physicians, Swarthmore College, and Temple University. Historical societies in the vicinity of Philadelphia contain collections useful for research in fields other than those of merely local interest.

RESIDENCE AND EXPENSES

Every graduate student must register immediately at the office of the Dean of the Graduate School.

Holders of resident fellowships and scholarships are expected to live in the Graduate Center, which consists of a residence hall and two small apartments close by. Other graduate students may live in the Graduate Center if rooms are available. Students not in residence are expected to make arrangements satisfactory to the Dean of the Graduate School. With the exception of four double rooms, all rooms in the Graduate Center are single. They are fully furnished except for rugs, curtains, and towels, which the student is expected to provide.

Application for a room should be made as early as possible. A room-contract, which will be sent on request, must be signed and returned with the registration fee of ten dollars to the Dean of the Graduate School. The amount of this fee will be deducted from the residence fee. The registration fee will not be refunded under any circumstances. A student in residence or a new student who cancels her reservation after September first prevents some other student from obtaining accommodation. Therefore unless a student sends notice of withdrawal in writing to the Dean of the Graduate School before September first, she is responsible for that portion of the residence charge which the College loses by reason of her withdrawal, whether she fails to occupy the room at all or vacates it during the year. Appropriate reduction or remission is made for that portion of the residence fee which represents reduced expense to the College for food; a further remission or reduction is made if the College is able to reassign the student's room to some other student not previously in residence. The student herself is not entitled to dispose of the room she leaves vacant. In case of absence from the College extending over six weeks or more, owing to illness, there will be a proportionate reduction in the charge for the cost of food.

The regular charge for residence (room and board) for graduate students is $750 a year, payable $450 in the first semester and $300 in the second semester. The charge for residence for occupants of the four double rooms is $675 a year, payable $375 in the first semester and $300 in the second semester.

The residence halls are closed during the Christmas vacation but accommodations in the neighborhood can usually be secured by graduate students who wish to continue their work. During the spring vacation one hall of residence is kept open and graduate students may occupy rooms in it at a fixed rate. Any student remaining in Bryn Mawr or nearby and not in the College or in her own home for all or part of a vacation must make arrangements satisfactory to the Dean of the Graduate School.

The College reserves the right to exclude at any time students whose conduct or academic standing renders them undesirable members of the college communiy. In such cases fees due or paid in advance will not be refunded or remitted in whole or in part; fellowships and scholarships will be cancelled.

The College reserves the right, if parents cannot be reached, to make decisions concerning emergency operations or other matters of health in regard to the students.

The tuition fee for graduate students is four hundred dollars a year, payable one half on registration and the other half at the beginning of the second semester. For students registered for less than full-time work the fees are as follows:

For one graduate course or seminary, or one unit of independent work	$150
For one undergraduate course	175

(Candidates for the degree of Master of Arts or Master of Social Service are charged $150 for an undergraduate course which is taken in partial fulfilment of the requirements for that degree.)

Fees for auditors are the same as for students registered in courses for credit.

Students in the departments of Physics, Chemistry, Geology, Biology, and Psychology, whose laboratory or field work is done in connection with a graduate course or an advanced undergraduate course that may be counted for an advanced degree, are charged a laboratory fee of $10 a semester for each course, the maximum fee charged not to exceed $25. The fee for laboratory work done in connection with a first or second year undergraduate course is $15 a semester.

All students taking courses which require field work in the Department of Social Economy and Social Research are charged a laboratory fee of $10 a semester for each course taken. This fee covers a part of the expenses of field supervision. In addition students are required to meet their travelling and incidental expenses while working in the field during the academic year and vacations.

The graduation fee for Doctors of Philosophy, Masters of Arts, and Masters of Social Service is $20.00.

The Office of the Recorder will supply on request one transcript of the record of each graduate student free of charge. For additional transcripts a charge of $1.00 each will be made.

SUMMARY OF TOTAL EXPENSES FOR THE ACADEMIC YEAR

Tuition fee (not counting laboratory fees)	$400
Residence	750
Total	$1150

For occupants of the four double rooms in the Graduate Center the residence fee is $675 and the total expenses are $1075.

Students whose fees are not paid before November first in the first semester and before March first in the second will not be permitted to continue in residence or to attend their classes. No reduction of the tuition fee will be made on account of absence or dismissal or for any other reason.

GRADUATE CLUB

All resident students in the Graduate School are members of the Graduate Club and non-resident students may become members. The organization of the life of the graduate students in all matters not purely academic or affecting hall management is in the hands of the club. The President of the Graduate Club is a member of the College Council, a non-legislative body which meets periodically to discuss matters concerning the College as a whole. The Council of the Graduate Club considers policies relating particularly to the Graduate School.

HEALTH

Every entering resident graduate student is required to file at the office of the Dean of the Graduate School, on a blank to be secured from the Dean of the Graduate School, a report of a recent medical examination, filled out and signed by a physician.

Every graduate student whether resident or non-resident must file a physician's certificate stating that she has been vaccinated against smallpox during the year before entrance to the Graduate School and that she exhibited a typical or immune reaction to this vaccination. Students who do not certify to vaccination will be vaccinated by the College Physician and charged a fee of two dollars. There is no exception to this rule.

There is required on the medical examination blank a statement of immunization against tetanus by toxoid and of evidence of a negative Schick test. If these have not been done by the time the student arrives in Bryn Mawr, the College Physician will make the tests at the time of the initial physical examination at a fee of two dollars for each test.

Every resident graduate student must file a certificate stating that her eyes have been examined by an oculist within six months before entrance to the Graduate School. Failure to comply with the above rule entails an examination by one of the college consultants for which the student will be charged as a private patient by the ophthalmologist who makes the examination.

Every resident graduate student has a chest X-ray at the beginning of each year. These X-rays are made with paper plates, and a fee of about two dollars is charged for each. If necessary the paper plate is checked with stereoscopic celluloid films, the fee for which is twenty dollars. Any graduate student who has had a chest X-ray within six months preceding the opening of any year will be excused from this procedure, provided a complete report has been filed with the College before September fifteenth of the year in question.

Every resident graduate student is examined each year by the Physician of the College, with reference to physical development and general health. Any graduate student who at the time of the examination or at any time during the year is not in good health is placed on the health supervision list.

The College Physician is in her office in the college infirmary daily and may be consulted by the students without charge. Specialists practicing in Bryn Mawr and Philadelphia serve as consulting physicians to the College. The fees of the consulting physicians and surgeons and other specialists recommended by the College will be furnished on request. The infirmary is open when college is in session and during the spring vacation. It is closed during the Christmas vacation.

The residence charge paid by each resident graduate student entitles her to free consultation with the College Physicians and to treatment in the college dispensary. It also entitles her to be cared for in the infirmary for seven days (not necessarily consecutive) during the year and to attendance by the College Physicians during this time and to nursing, provided her illness is not contagious and is not sufficiently serious to require the services of a special nurse. The fee for each day in the infirmary after the seven-day period is six dollars. In case of contagious disease the student must meet or share the expense of special nursing.

Non-resident graduate students may, if they so desire, pay a non-resident infirmary fee of five dollars which entitles them to a medical examination by the College Physician and to dispensary care. Non-resident students may also take the opportunity to have a paper plate chest X-ray at a fee of about two dollars when the annual college X-ray survey is made in the autumn.

FELLOWSHIPS AND SCHOLARSHIPS

Application

Applications for resident fellowships and scholarships should be made to the Dean of the Graduate School and must be filed not later than March first preceding the academic year for which they are desired. Blanks are forwarded to all applicants by the Dean. Awards are announced each year on April first. Original papers and photographs, sent by applicants in support of their applications, will be returned only if postage is enclosed for that purpose, or specific instructions are given for return by express. Testimonials and letters from professors and instructors are filed for reference.

Applications for scholarships for foreign women must be received not later than April 1st. Awards will be announced before May 1st.

Duties of Resident Fellows and Scholars

Resident fellows and scholars are expected to live in the Graduate Center, to attend official functions of the College, and to assist in the conduct of examinations. Holders of fellowships are expected to give about an hour and a half a week to special work assigned by their departments, and are not permitted to teach or to undertake any other duties in addition to their college work. Holders of scholarships may, with the approval of the Dean of the Graduate School, make their own arrangements to do a limited amount of paid work. Resident fellows and scholars must pay the usual fees and charges (see pages 56-57).

Travelling Fellowships

The Bryn Mawr European Fellowship, value $800, founded in 1889, is awarded annually to a member of the graduating class, to be applied toward the expenses of one year's study at some foreign university. For the present, it may be held in an American university. The holder of this fellowship receives in addition an Elizabeth S. Shippen Scholarship, value $200.

The Mary Elizabeth Garrett European Fellowship, value $1000, founded by Miss Garrett of Baltimore, is awarded annually for excellence in scholarship to a graduate student at Bryn Mawr College who is a candidate for the degree of Doctor of Philosophy at Bryn Mawr College. It is to be applied to the expenses of one year's study or research abroad, or, in special cases, in the United States.

The Fanny Bullock Workman Fellowship, value $1200, for a year of study or research abroad or in special cases in the United States, was established in 1927 by bequest of Fanny Bullock Workman and by gift of her husband, Dr. W. Hunter Workman. It is awarded to a candidate for the degree of Doctor of Philosophy at Bryn Mawr College who could not have the advantages of such a year without

assistance. At the discretion of the Faculty, the fellowship for any one year may be divided between two students, or the same student may hold the fellowship for more than one year.

The Anna Ottendorfer Memorial Research Fellowship, value $1000, in German and Teutonic Philology, founded in 1907 by Mrs. Anna Woerishoffer of New York City in memory of her mother, is to be applied to the expenses of study and residence for one year at some German university. It is awarded annually to a candidate who has completed at least one year of graduate study at Bryn Mawr College, on the basis of evidence regarding her ability to conduct independent investigations in the fields of Teutonic Philology or German. The choice of a university is determined by the holder's preference subject to the approval of the Faculty.

The Ella Riegel Fellowship or *Scholarship* in Classical Archæology was founded in 1937 by bequest of Ella Riegel. It is awarded on the recommendation of the Department of Classical Archæology and only to advanced students in this subject. It is given for study abroad but may, at the discretion of the department, be used at Bryn Mawr College.

RESIDENT FELLOWSHIPS

Twenty *Resident Fellowships,* value $1250 each, are offered annually in Biology, Chemistry, Classical Archæology, Economics (the Justus C. Strawbridge Fellowship), Educational Psychology, English, Geology, German, Greek, History, History of Art, Latin, Mathematics, Mediæval Studies (the Howard Lehman Goodhart Fellowship), Philosophy, Physics, Political Science, Psychology, Romance Languages (two fellowships), Social Economy (two Carola Woerishoffer Memorial Fellowships), and Sociology and Anthropology. They are open for competition to American and Canadian students who are graduates of colleges of good standing, and who have completed at least one full year of graduate work.

Fellows who continue their studies at the College after the expiration of their fellowships may, by a vote of the Directors, receive the rank of Fellows by Courtesy.

The Helen Schaeffer Huff Memorial Research Fellowship. This fellowship is awarded for a year of research work in Physics or Chemistry at Bryn Mawr College. Candidates must be women who have demonstrated their ability for research. If other qualifications are equal among a number of candidates, preference will be given to a woman whose field of research overlaps the fields of Chemistry and Physics. This fellowship is normally awarded to a post-doctoral candidate to enable her to continue her research program. In such cases the stipend will be $2000. In exceptional cases, candidates engaged in important research who have not completed the work for the doctorate will be considered. For such students the stipend will be smaller, the amount to be determined on the basis of the candidate's qualifications.

The Helen Schaeffer Huff Memorial Research Fellow has no duties except those connected with her own research, but she may arrange with the department in which she is working to do a small amount of teaching if she so desires. The holder of this fellowship may, if she wishes, live in the Graduate Center.

Scholarships for Foreign Women

By special action of the Directors, five resident scholarships of $1150 each are offered in 1949-50 and in 1950-51 to qualified foreign students. One of these scholarships is reserved for a candidate from Great Britain. This candidate regularly also holds an English-Speaking Union Fellowship.

Special Foreign Scholarships for French, German, Italian and Spanish have been established, with the cooperation of the Institute of International Education, for countries whose languages form part of the Bryn Mawr curriculum. Under this arrangement, Bryn Mawr College gives board, lodging, and tuition to the scholars and asks them to devote four or five hours a week to supervised teaching or other assistance in the department.

The Special Scholarship for French has been named by the Board of Directors of Bryn Mawr College in memory of Marcelle Pardé who was a member of the French Department of Bryn Mawr College between 1919 and 1929, and at the time of her death in the German prison camp at Ravensbrück was the Directrice de la Lycée de Jeunes Filles at Dijon.

Resident Graduate Scholarships

Nineteen *Resident Graduate Scholarships,* value $650 each, are offered annually in open competition to students who are graduates of colleges of good standing.

In rare cases applicants for these scholarships may, on the basis of financial need, be given a supplementary grant not to exceed $200. Applicants for such grants must fill out a special form giving a report on their financial status. Application should be made by March first.

The *Lillia Babbitt Hyde Foundation Scholarship,* of $1000, in science and pre-medical studies, to be held during the first year of graduate work, is open to students of Biology, Chemistry and Physics. All applicants for resident scholarships for the first year of graduate work in those fields will be considered for this scholarship. The award is made on the recommendation of the three departments.

Fellowships and Scholarships Under the Plan for Coordination in the Teaching of the Sciences

Three Scholarships of the value of $700 each are offered to qualified students who have had undergraduate training in two or more of the natural sciences and who wish to continue study in fields such as Biochemistry, Biophysics, Crystallography, Geochemistry, Geophysics or Psychophysics.

Three Fellowships of the value of $1250 each are offered to candidates in the same fields who, in addition to undergraduate training, have had at least a year of graduate work in science.

These Scholars and Fellows will pay the regular tuition fee of $400 a year and laboratory fees up to $25 a semester. For residence in the Graduate Center an additional $750 will be charged.

NON-RESIDENT GRADUATE SCHOLARSHIPS

Six *Non-Resident Tuition Scholarships,* value $400 each, are offered annually to graduate students whose homes are in the vicinity of the College.

Social Agency Scholarships in Social Economy, value ranging from $500 to $1100 for first-year and second-year students are given by various social agencies and social service departments of hospitals in Philadelphia and the vicinity. Holders will be placed for supervised field work with the agencies giving the scholarships. They may live in the Graduate Center.

The Susan M. Kingsbury Research Grant in Social Economy and Social Research, value $300, is awarded every third year on the recommendation of the Director of the Carola Woerishoffer Graduate Department of Social Economy and Social Research to advanced students, preferably candidates for the degree of Doctor of Philosophy. Holders of this grant may live in the Graduate Center.

SCHOLARSHIPS FOR MEDICAL STUDIES

The Linda B. Lange Fund was founded in 1948 by bequest of Linda B. Lange, of the Class of 1903. The income from this Fund will provide the Anna Howard Shaw Scholarship in Medicine and Public Health to be awarded on recommendation of the President and Faculty to a member of the graduating class or a graduate of the College for the pursuit of studies leading to the degrees of M.D. and Doctor of Public Health.

The Harriet Judd Sartain Memorial Scholarship Fund was founded in 1948 by bequest of Paul J. Sartain. The income from this Fund is to establish a scholarship which will be awarded to a member of the graduating class for the study of medicine. This scholarship may be continued for the duration of her medical course.

DEMONSTRATORSHIPS AND ASSISTANTSHIPS

Demonstratorships and Assistantships varying from one-half to one-third time and enabling the student to carry graduate work with free tuition are open to students in the Departments of Biology, Chemistry, Economics, Geology, History of Art, Mathematics, Philosophy, Physics, Political Science, and Psychology. For further information candidates should consult the Department and see the departmental announcements issued each year.

Research Assistantships

The Susan M. Kingsbury Research Assistantship in Social Economy and Social Research, value $1000 and a remission of tuition, is awarded annually on the recommendation of the Director of the Carola Woerishoffer Graduate Department of Social Economy and Social Research. It is open to graduates of any college of good standing, preferably to advanced students and candidates for the degree of Doctor of Philosophy, who, from either training or experience, have knowledge of methods and techniques in social investigation. The holder will give half of her time to the research of the Department and half of her time to study.

From time to time research assistantships are available in other departments. These assistantships are noted each year on the departmental announcements. They carry a stipend and provide free tuition in the Graduate School.

Graduate Prize

The Susan B. Anthony Memorial Prize, value $500, commemorating the great work of Susan B. Anthony for women, was founded by her friend, Anna Howard Shaw, and her niece, Lucy E. Anthony. It is offered every two years to a graduate student at Bryn Mawr College who has published or submitted in final form for publication the best study dealing with the industrial, social, economic, or political position of women in the past, present, or future. The award is made by a committee of which the President of the College is chairman.

Emmy Noether Fellowship

The Emmy Noether Fellowship in Mathematics was founded by gifts from many donors in memory of Emmy Noether who came to Bryn Mawr College from Germany in 1933 and who died April 14, 1935. It is open to women in the United States and in foreign countries who are advanced graduate students of Mathematics. It is awarded by the Department of Mathematics in Bryn Mawr College, and may be used, subject to the approval of the Department, at any institution in the United States or in a foreign country.

STUDENTS' LOAN FUND

The Students' Loan Fund of the Alumnæ Association of Bryn Mawr College was founded by the Class of 1890 for the use of students who need to borrow money in order to continue their college work and for the purpose of receiving contributions, no matter how small, from those who are interested in helping students to obtain an education. The fund is managed by the Alumnæ Scholarships and Loan Fund Committee.

The committee in administering this money follows a definite policy, designed to serve the best interests of the students concerned. Loans may be used for any purpose approved by the committee, who strongly recommend the borrowing of small sums to relieve undue financial pressure, or to meet special emergencies. As a rule, money is not loaned to students in their first year of graduate work.

The terms under which money is loaned are as liberal as is consistent with business-like principles. While the student is in College interest is charged at the rate of one per cent; after the student leaves College the interest rate is two per cent. The entire principal must be repaid within five years from the time the student leaves College at the rate of twenty per cent each year.

Contributions to the Loan Fund may be sent to the Chairman of the Scholarships and Loan Fund Committee, Alumnæ Office, The Deanery, Bryn Mawr, Pennsylvania. Students who wish to borrow from the Loan Fund may obtain application blanks for this purpose from the Alumnæ Office.

Mary Hill Swope Loan Fund

This fund was established June 1, 1945 by a gift of Mrs. Gerard Swope (Mary Hill, A.B. 1896) under the following conditions:

To assist in the education of young women irrespective of color or creed attending Bryn Mawr College, the income of the fund to be loaned to students in the following manner:

1. The following order of preference shall be followed in awarding such loans:
 A. To students coming from New Jersey.
 B. To students coming from Missouri.
 C. To students coming from any other location who have had not less than one year of residence at the College.
2. The loans in the above order of preference, and in the following manner, shall be awarded by the President of Bryn Mawr College, or by a Committee appointed by her from time to time.

3. Applicants for loans shall be considered not only from the standpoint of academic attainment and financial need, but also from the standpoint of character and personal qualifications for deriving the greatest good from a continuation of their studies.
4. These loans shall be used primarily to enable the exceptional student to continue her studies which otherwise would be prevented through lack of means.
5. In the awarding of the loans, the recipient should understand that if in after years she is in a position to do so, she is to repay to the income account of the Loan Fund the amount so loaned to her, with or without interest. It is to be understood that this is entirely a moral obligation upon the recipient.

Bertha Goldstein Memorial Loan Fund

The Bertha Goldstein Memorial Loan Fund, established in honor of Bertha Goldstein, A.B. 1938 and M.A. 1939, is a revolving fund from which, upon recommendation of the Department of Social Economy, a limited number of loans may be made to graduate students of Social Economy. Loans are made without interest and must be repaid within five years.

THE BUREAU OF RECOMMENDATIONS

The College conducts a Bureau of Recommendations for alumnæ, students, and former students. This bureau offers an employment service for permanent, temporary, and part-time positions; and a vocational service for the student body, which includes vocational tests, assistance in choosing a vocation, and the presentation of a series of conferences and lectures. It also acts as a clearing house for letters of recommendation for those who have registered with the bureau. These letters will be sent, upon request, to prospective employers and other agencies.

FELLOWS, SCHOLARS AND GRADUATE STUDENTS
1948-49

Travelling Fellow

WARD, HARRIET WALDEN.....*Bryn Mawr European Fellow, Shippen Foreign Scholar*
Bedford Hills, N. Y. A.B. Bryn Mawr College 1948.

Resident Fellows

MONACK, LOUISE CHARLOTTE.....*Fellow in Chemistry*
Charleroi, Pa. A.B. West Virginia University 1942 and M.S. 1944.

CRAMER, AILEEN GERTRUDE.....*Fellow in History*
South Hadley, Mass. A.B. Mount Holyoke College 1947; M.A. Bryn Mawr College 1949.

RUSSELL, HELEN ELIZABETH.....*Fellow in Latin*
Nashua, N.H. A.B. Mount Holyoke College 1941; M.A. Bryn Mawr College 1942.

ROBINSON, JOAN ELIZABETH.....*Fellow in Mathematics*
Monkton, Md. A.B. Goucher College 1946; M.A. Johns Hopkins University 1947.

NASH, MYRTLE CORLISS [1].....*Fellow in Psychology*
Springfield Gardens, N. Y. A.B. Swarthmore College 1937; M.A. Bryn Mawr College 1938.

ARONSON, JANET STEARNS.....*Fellow in Romance Languages*
Springfield, Mass. A.B. Mount Holyoke College 1947 and M.A. 1948.

MARTIN, DENISE NINA.....*Fellow in Romance Languages*
New York, N.Y. A.B. Barnard College 1947; M.A. Bryn Mawr College 1948.

CAMPBELL, JEAN ELDWYTH.....*Carola Woerishoffer Fellow in Social Economy*
Glenview, Ill. A.B. Hunter College 1947;M.S.S. Bryn Mawr College 1949.

Special Fellows

KOHLER, ELLEN LUCILE...*Ella Riegel Fellow in Classical Archæology*
Seattle, Wash. A.B. University of Washington 1938 and M.A. 1942.

SMITHSON, EVELYN LORD [2].....*Ella Riegel Fellow in Classical Archæology*
Seattle, Wash. A.B. University of Washington 1944; M.A. Bryn Mawr College 1946.

DOWKER, YAEL NAIM [3].....*Emmy Noether Fellow in Mathematics*
Boston, Mass. M.A. Johns Hopkins University 1943; Ph.D. Radcliffe College 1948.

MCCLURE, ELIZABETH ANNE.....*Fellow on the Burch Grant*
Collegeville, Pa. A.B. Bryn Mawr College 1948.

ROSENZWEIG, ABRAHAM....*Non-Resident Fellow under the Plan for Coordination in the Teaching of the Sciences*
Philadelphia, Pa. B.S. University of Pennsylvania 1946.

[1] Mrs. Myrtle Corliss Nash.
[2] Mrs. Bruce M. Smithson.
[3] Mrs. Yael Naim Dowker.

Foreign Scholars

BARBEITO OLIVEROS, CLARA LUISA.....*Special Foreign Scholar for Spanish*
Havana, Cuba. *Dr. en Filosofía y Letras,* University of Havana 1948.

BOSLEY, ELIZABETH JANE....*British Graduate Scholar and Sir John Dill Memorial Fellow of The English-Speaking Union*
Peterborough, Northants., England. B.A. St. Hilda's College, Oxford University 1948.

D'ANCONA, MIRELLA LEVI.....*Special Foreign Scholar for Italian*
Firenze, Italy. *Dottore in Lettere,* University of Florence 1941.

FUJITA, TAKI*Special Scholar (Semester II)*
Tokyo, Japan. A.B. Bryn Mawr College 1925.

GEE, CYNTHIA FRANCES HEATH.....*Foreign Graduate Scholar*
Weston-super-Mare, Somerset, England. B.A. University of Bristol 1947; M.A. Bryn Mawr College 1949.

GUERS, YVONNE.....*Marcelle Pardé Scholar for French*
Aix-en-Provence, France. *Licenciée-ès-lettres,* University of Aix-Marseille 1944.

HABIB, WADAD*Foreign Graduate Scholar*
Cairo, Egypt. B.A. American University at Cairo 1946; M.A. Bryn Mawr College 1948.

KWAN, SHANG MAY.....*Foreign Graduate Scholar*
Peiping, China. B.A. The Catholic University, China 1946; M.A. Bryn Mawr College 1949.

SHUKRY, LAILA SAYID.....*Foreign Graduate Scholar*
Orman, Giza, Egypt. B.A. American University at Cairo 1946.

VON WEDEMEYER, MARIA FRIEDERIKE.....*Special Foreign Scholar for German*
Oberbehme, Germany. University of Göttingen 1946-47; University of Frankfurt 1947-48.

Graduate Scholars

RUSSO, EVELYN ESTHER.....*Non-Resident Scholar in Biology*
Philadelphia, Pa. A.B. Rosemont College 1947; M.A. Bryn Mawr College 1949.

QUINN, MARGARET JOSEPHINE.....*Resident Scholar in Chemistry*
Philadelphia, Pa. A.B. Bryn Mawr College 1947 and M.A. 1948.

CHERRY, MARIANNA*Non-Resident Scholar in Chemistry*
Toledo, O. A.B. Wheaton College 1946.

CLELAND, EMILY WADSWORTH [4].....*Non-Resident Scholar in Classical Archæology*
Williamstown, Mass. A.B. Smith College 1915; M.A. Columbia University 1916.

KILI, SAHIKA SUNA.....*Resident Scholar in Economics and Politics*
Istanbul, Turkey. A.B. Bryn Mawr College 1948 and M.A. 1949.

[4] Mrs. Herdman F. Cleland.

KING, JOSEPHINE YAGER [5] *Non-Resident Scholar and Fellow by Courtesy in Economics and Politics*
Philadelphia, Pa. A.B. University of Pennsylvania 1942; M.A. Bryn Mawr College 1943.

ENRIGHT-CLARK, DORIS *Resident Scholar in English*
New York, N. Y. A.B. Hunter College 1948.

NELSON, WINIFRED IRENE *Resident Scholar in English*
Toronto, Ont., Canada. B.A. University of Toronto 1947 and M.A. 1948.

RULAND, VIRGINIA LOUISE *Resident Scholar in English*
White Plains, N. Y. A.B. Randolph-Macon Woman's College 1947; M.A. Bryn Mawr College 1949.

LEHMANN, IRMGARD *Non-Resident Scholar in English*
Berlin, Germany. University of Berlin 1943-44, 1946-48.

HYATT, MARLOU *Resident Scholar in French*
Indianapolis, Ind. B.M. Westminster Choir College 1947; A.B. Barnard College 1948; M.A. Bryn Mawr College 1949.

GRUNDER, STELLA L. *Resident Scholar in French*
Toronto, Ont., Canada. B.A. University of Toronto 1948; M.A. Bryn Mawr College 1949.

ALLEN, GLORIA ANN *Resident Scholar in Geology (Semester II)*
Merchantville, N. J. A.B. University of Pennsylvania 1948.

STREET, K. ROBERTA *Resident Scholar in History*
New Castle, Pa. A.B. Oberlin College 1946; M.A. Bryn Mawr College 1947.

LITWINCHUK, ALICE MARY . . *Resident Scholar in History (Semester I)*
Girardville, Pa. A.B. Temple University 1946 and M.A. 1947.

DEUTSCH, RENÉE CONSTANCE *Resident Scholar in History (Semester I)*
New York, N. Y. A.B. Carleton College 1948.

DRIVER, SHIRLEY R. *Resident Scholar in History of Art*
Toronto, Ont., Canada. B.A. University of Toronto 1947.

BRANTLEY, BETTY JO *Resident Scholar in Latin*
Memphis, Tenn. A.B. Southwestern at Memphis 1948.

HOFFMAN, MARTHA WILSON *Resident Scholar in Latin*
Berkeley, Calif. A.B. University of California 1943; M.A. Bryn Mawr College 1949.

STERLING, COLLEEN GRIMM [6] . . . *Non-Resident Scholar in Philosophy*
Philadelphia, Pa. A.B. Bryn Mawr College 1945 and M.A. 1946.

GREENWALD, SYLVIA *Resident Scholar in Physics*
Bronx, N. Y. A.B. Hunter College 1948; M.A. Bryn Mawr College 1949.

PLATT, JOAN M. *Resident Scholar in Psychology*
New Canaan, Conn. A.B. George Washington University 1948.

GRIFFING, JUANITA COUCH [7] *Non-Resident Scholar in Psychology*
Media, Pa. A.B. University of Delaware 1947 and M.A. 1948.

HOBART, ENID MARGARET [8] *Non-Resident Scholar in Psychology*
Springfield, Pa. A.B. Swarthmore College 1948.

[5] Mrs. Benton D. King.
[6] Mrs. J. M. Sterling.
[7] Mrs. John M. Griffing.
[8] Mrs. J. Newton Garver, III.

ROTHROCK, SALLY ELLEN....*Carola Woerishoffer Resident Scholar in Social Economy*

New Bloomfield, Pa. A.B. Pennsylvania State College 1948.

SHAPIRO, ROSALYN.....*Carola Woerishoffer Resident Scholar in Social Economy*

Bronx, N. Y. A.B. Hunter College 1947; M.S.S. Bryn Mawr College 1949.

BOGGS, BESSIE MAXWELL.....*Non-Resident Scholar in Social Economy*

Philadelphia, Pa. B.S. University of Pennsylvania 1932; M.S.S. Bryn Mawr College 1949.

DAVIS, MANJA M.[9].....*Non-Resident Scholar in Social Economy*

Philadelphia, Pa. A.B. Hunter College 1946; M.S.S. Bryn Mawr College 1949.

WEINER, RAE BIBERMAN [10].....*Non-Resident Scholar in Social Economy*

Philadelphia, Pa. A.B. University of Pennsylvania 1948.

ZELLIOT, ELEANOR MAE.....*Friends College Resident Scholar in English*

Des Moines, Iowa. A.B. William Penn College 1948; M.A. Bryn Mawr College 1949.

Graduate Students

ANDERSON, HELEN CHARLOTTE..*Graduate Student in Social Economy*

Swarthmore, Pa. A.B. Wells College 1945.

BARBERA, RICHARD CARLTON.....*Graduate Student in Physics*

Boston, Mass. B.S. Massachusetts Institute of Technology 1948.

BARRATT, EMILY CLOSE [11].....*Graduate Student in Psychology (Semester I)*

Broomall, Pa. A.B. University of Pennsylvania 1942.

BAUERS, ROBERT M.....*Graduate Student in Social Economy (Semester II)*

Philadelphia, Pa. A.B. Muhlenberg College 1943; B.D. Lutheran Theological Seminary 1945.

BAUGHN, ISABEL BAKER.....*Graduate Student in Social Economy*

Philadelphia, Pa. A.B. Virginia State College 1941.

BEATMAN, MARY LOU [12].....*Graduate Student in Social Economy*

Ridley Park, Pa. A.B. Oberlin College 1945.

BERK, ROSALIE*Graduate Student in Social Economy*

Philadelphia, Pa. B.S. Temple University 1947.

BLOMMERS, ELIZABETH ANN.....*Graduate Student in Chemistry*

Philadelphia, Pa. A.B. Bryn Mawr College 1945 and M.A. 1946.

BRINTON, EDWARD.....*Graduate Student in Biology*

Wallingford, Pa. M.A. Haverford College 1949.

[9] Mrs. Lester Davis.
[10] Mrs. Oscar Weiner.
[11] Mrs. William C. Barratt.
[12] Mrs. James W. Beatman.

CHABROW, FAYE RUTH.....*Graduate Student in Physics*
Upper Darby, Pa. A.B. University of Pennsylvania 1941; M.A. Bryn Mawr College 1942.

CH'IH, CHI SHANG.....*Graduate Student in Geology*
Peking, China. A.B. National Tsing Hua University 1941; M.A. Bryn Mawr College 1947 and Ph.D. 1949.

CLAVAN, WALTER S.....*Graduate Student in Geology*
Philadelphia, Pa. B.S. University of Pennsylvania 1942 and M.S. 1947.

CLIFFORD, ESTHER ROWLAND [13].....*Graduate Student in History*
Radnor, Pa. A.B. Vassar College 1928.

COLCORD, ANNE ENGLISH.....*Graduate Student in English*
New York, N. Y. A.B. Wellesley College 1945; M.A. Bryn Mawr College 1949.

COLLINS, JEAN JUSTICE [14].....*Graduate Student in Psychology (Semester II)*
Wynnewood, Pa. A.B. Bryn Mawr College 1920.

CRAVEN, ROGER W.....*Graduate Student in Social Economy (Semester II)*
Philadelphia, Pa. A.B. American University 1931 and M.A. 1934.

CROASDALE, DOROTHY DRIVER [15].....*Graduate Student in Social Economy*
Berwyn, Pa. A.B. Mount Holyoke College 1931.

CROFTS, FRANCES LORETTA.....*Graduate Student in Psychology*
Cleveland Heights, O. A.B. Radcliffe College 1947; M.A. Bryn Mawr College 1949.

CULIN, ELEANOR DAVIS.....*Graduate Student in Social Economy*
Wynnewood, Pa. B.S. University of Pennsylvania 1927.

DAY, MARY ROBERTS FORBES.....*Graduate Student in Biology*
Manchester, N. H. B.S. University of New Hampshire 1948.

DE JERSEY, MURRAY GORDON.....*Graduate Student in Psychology*
Bryn Mawr, Pa. B.A. McGill University 1942 and M.A. 1946.

DELOBEL, JACQUELINE.....*Graduate Student in French*
Bryn Mawr, Pa. *Licence Anglais,* Lille University 1935.

DETHIER, MARY HARDENBERGH [16].....*Graduate Student in Social Economy*
Haverford, Pa. A.B. Bryn Mawr College 1943.

DIKE, PAUL ALEXANDER.....*Graduate Student in Geology*
Philadelphia, Pa. A.B. Johns Hopkins University 1937.

DOANE, ROBERT FAY.....*Graduate Student in Social Economy*
Glenside, Pa. A.B. Haverford College 1947.

DU BOSE, LOUISA SHANNON.....*Graduate Student in Philosophy*
Camden, S. C. A.B. University of South Carolina 1947; M.A. Bryn Mawr College 1949.

ESTEVES, MARGARITA.....*Graduate Student in Spanish*
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[13] Mrs. Henry Clifford.
[14] Mrs. Jean Justice Collins.
[15] Mrs. John P. Croasdale.
[16] Mrs. Charles Dethier.

FEIDEN, LUCILLE MIRIAM.....*Graduate Student in History of Art*
St. Augustine, Fla. A.B. Florida State University 1948.

FRANCE, ELAINE*Graduate Student in Educational Psychology*
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FREYGANG, ELIZABETH LEE [17].....*Graduate Student in Philosophy*
Essex Fells, N.J. A.B. Randolph-Macon Woman's College 1947; M.A. Bryn Mawr College 1949.

FUCHS, RUTH*Graduate Student in French*
Swarthmore, Pa. A.B. Brooklyn College 1940; M.A. Bryn Mawr College 1949.

GILMAN, RHODA RAASCH [18].....*Graduate Student in Economics*
Philadelphia, Pa. A.B. University of Washington 1947.

GLASS, EPHRAIM.....*Graduate Student in Social Economy*
Melrose Park, Pa. A.B. University of Pennsylvania 1934; M.S.S. Bryn Mawr College 1949.

GOETTMAN, FRANKLIN PAUL.....*Graduate Student in Geology*
Philadelphia, Pa. B.S. Pennsylvania State College 1941.

GOODRICH, ELIZABETH BRICE [19].*Graduate Student in Social Economy*
Bryn Mawr, Pa. A.B. Pennsylvania State College 1933.

GORDIN, BURTON I.....*Graduate Student in Social Economy*
Philadelphia, Pa. A.B. Temple University 1941; M.S.S. Bryn Mawr College 1949.

GRUN, RUTH ELIZABETH.....*Graduate Student in History*
Kingston, Pa. A.B. Wellesley College 1943.

GUTWIRTH, MADELYN [20].....*Graduate Student in French*
Haverford, Pa. A.B. Brooklyn College 1947; M.A. Bryn Mawr College 1949.

HADAS, JANE GERTRUDE.....*Graduate Student in Mathematics*
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HALL, ELIZABETH L.....*Graduate Student in Social Economy*
Bryn Mawr, Pa. A.B. Dalhousie University 1916; M.A. University of Toronto 1921; Ph.D. Bryn Mawr College 1929.

HAMILTON, ELIZABETH P.[21].....*Graduate Student in History of Art*
Villanova, Pa. A.B. Wellesley College 1932.

HAMILTON, NORMAN WOODROW.....*Graduate Student in Social Economy*
Philadelphia, Pa. A.B. Syracuse University 1946 and M.A. 1947; M.S.S. Bryn Mawr College 1949.

HAVENS, GIFFORD.....*Graduate Student in History of Art*
Bryn Mawr, Pa. A.B. Williams College 1943.

HERNÁNDEZ-BORCH, CARMEN.....*Graduate Student in Spanish*
Rosemont, Pa. B.S. Johns Hopkins University 1937.

JACKSON, F. ROXANA.....*Graduate Student in Social Economy*
Philadelphia, Pa. A.B. Colorado College 1923; M.A. Columbia University 1929.

[17] Mrs. Walter H. Freygang, Jr.
[18] Mrs. Logan D. Gilman.
[19] Mrs. George E. Goodrich.
[20] Mrs. Marcel Gutwirth.
[21] Mrs. Charles M. Hamilton.

KALTENHALER, ELIZABETH B. *Graduate Student in Geology*
Wynnewood, Pa. A.B. Bryn Mawr College 1947.

KAUFMAN, HOPE *Graduate Student in Spanish and Music*
South Salem, N. Y. A.B. Bryn Mawr College 1948.

KEPNER, LOUISE *Graduate Student in Social Economy*
Titusville, Pa. A.B. University of Rochester 1946.

KILBY, EMELIA-LOUISE JEPSON *Graduate Student in German*
Hartford, Conn. B.S. Mary Washington College 1944; M.A. New York University 1947.

KLINGSBERG, CYRUS *Graduate Student in Geology*
Philadelphia, Pa. A.B. University of Pennsylvania 1948; M.A. Bryn Mawr College 1949.

KRAUSS, FRED, JR. *Graduate Student in Social Economy*
Philadelphia, Pa. B.S. Temple University 1940.

KÜNZLI, ROSEMARY *Graduate Student in Sociology*
Wettingen, Aargau, Switzerland. Diploma, Eidgenossische Technische Hochschule, Zürich, 1947.

LEADBEATER, DOROTHY LAURETTA *Graduate Student in History of Art*
New York, N. Y. B.S. New York University 1931; M.A. Teachers College, Columbia University 1935.

LEOPOLD, EDITH ABELMANN [22] *Graduate Student in Social Economy (Semester I)*
Philadelphia, Pa. A.B. Mount Holyoke College 1944; M.A. Bryn Mawr College 1947.

LEVINE, IRENE R. L.[23] *Graduate Student in Social Economy*
Philadelphia, Pa. B.S. University of Massachusetts 1933.

LONGAKER, DOROTHY SEILER [24] *Graduate Student in English (Semester II)*
Ardmore, Pa. A.B. Swarthmore College 1948.

MAHER, EILEEN BEIER [25] *Graduate Student in Psychology*
Philadelphia, Pa. A.B. Temple University 1945 and M.A. 1948.

MANN, PHILIP C. *Graduate Student in Social Economy (Semester I)*
Beverly, N. J. A.B. Haverford College 1945.

MATTHAI, FRANCES PARKER *Graduate Student in English*
Garrison, Md. A.B. Bryn Mawr College 1943.

MAYO, JULIA ANN *Graduate Student in Social Economy*
Philadelphia, Pa. A.B. University of Pennsylvania 1947; M.S.S. Bryn Mawr College 1949.

MCGHEE, MARJORIE VASHON *Graduate Student in English*
Cleveland, O. A.B. Howard University 1948; M.A. Bryn Mawr College 1949.

[22] Mrs. Robert Leopold.
[23] Mrs. Harry Levine.
[24] Mrs. R. P. Longaker.
[25] Mrs. Howard Maher.

MILES, ALICE CALDER [26] *Graduate Student in Social Economy*
Philadelphia, Pa. A.B. University of North Carolina 1941; M.S.S. Bryn Mawr College 1949.

MILNER, SHIRLEY *Graduate Student in Social Economy*
Philadelphia, Pa. A.B. Pennsylvania State College 1946; M.S.S. Bryn Mawr College 1949.

MOHLER, MARY BAIRD *Graduate Student in Social Economy*
Lancaster, Pa. A.B. Dickinson College 1941; M.Ed. Smith College 1942; M.S.S. Bryn Mawr College 1949.

MORRILL, BERNICE BERNSTEIN [27] .. *Graduate Student in History of Art*
Swarthmore, Pa. A.B. Wellesley College 1934; M.A. Teachers College, Columbia University 1936.

NEILS, ELIZABETH PATRICIA *Graduate Student in Greek*
Minneapolis, Minn. A.B. Bryn Mawr College 1948 and M.A. 1949.

NELSON, HAVILAND *Graduate Student in Latin*
Frederick, Md. A.B. Bryn Mawr College 1934; M.A. University of California 1939.

NELSON, MARGARET SUSAN *Graduate Student in Social Economy*
Ardmore, Pa. B.S. Belhaven College 1943; M.S.S. Bryn Mawr College 1949.

NEUHARDT, CATHERINE ELIZABETH *Graduate Student in Social Economy*
Philadelphia, Pa. B.S. Temple University 1946; M.S.S. Bryn Mawr College 1949.

NEWHALL, WILLIAM FREEMAN *Graduate Student in Chemistry*
Haverford, Pa. A.B. Haverford College 1941 and M.S. 1942; Ph.D. Bryn Mawr College 1949.

O'CONNELL, GERTRUDE JANE ... *Graduate Student in Social Economy*
Narberth, Pa. A.B. Rosemont College 1943; M.S.S. Bryn Mawr College 1949.

ORMOND, MARTIN MARK *Graduate Student in Social Economy*
Dearborn, Mich. A.B. Hobart College 1948.

OTTO, MARY EWART [28] *Graduate Student in Social Economy*
Media, Pa. A.B. St. Lawrence University 1946.

OXTOBY, JEAN SHAFFER [29] *Graduate Student in Russian*
Bryn Mawr, Pa. A.B. Bryn Mawr College 1942 and M.A. 1945.

PALM, BARBARA J. [30] *Graduate Student in Physics*
Philadelphia, Pa. A.B. Oberlin College 1946; M.A. Bryn Mawr College 1949.

PETERS, GRACE ANN *Graduate Student in Chemistry*
New York, N. Y. A.B. Barnard College 1948.

POLITZER, HEINZ *Graduate Student in English*
Teaneck, N. J. University of Vienna 1929-31; University of Prague 1931-32; The Hebrew University 1938-40.

POST, LOIS LENOIR *Graduate Student in Spanish*
Pittsburgh, Pa. A.B. Bryn Mawr College 1945.

RAMOS, JACK M. *Graduate Student in History of Art*
Harrisburg, Pa. A.B. University of Kentucky 1941.

[26] Mrs. Ward C. Miles.
[27] Mrs. Bernard Morrill.
[28] Mrs. Werner G. Otto.
[29] Mrs. John Oxtoby.
[30] Mrs. K. E. Palm.

REDDING, ESTHER DUKE [31]. . *Graduate Student in Physics (Semester I)*
Swarthmore, Pa. A.B. Wellesley College 1942; M.A. Bryn Mawr College 1948.

REESOR, MARGARET ELAINE. . *Graduate Student in Latin (Semester I)*
Toronto, Ont., Canada. B.A. University of Toronto 1945 and M.A. 1946.

RIABOFF, TATIANA-MARGARITA. *Graduate Student in Chemistry*
Philadelphia, Pa. A.B. University of Pennsylvania 1948.

ROBERTS, MARY ELIZABETH. . . . *Graduate Student in Social Economy*
Philadelphia, Pa. A.B. University of West Virginia 1939.

ROSSITER, CORLETTE. *Graduate Student in History of Art*
Pasadena, Calif. A.B. Stanford University 1946 and M.A. 1948.

SCHEWE, ELENORE. *Graduate Student in Biology*
Vandalia, Mo. B.Arch. Washington University 1941.

SCIAMANDA, ANDRÉE THOREUX [32]. *Graduate Student in French*
Philadelphia, Pa. *Licenciée-ès-lettres,* University of Paris, 1941.

SCLUFER, EVELYN. *Graduate Student in Biology*
Upper Darby, Pa. A.B. Temple University 1947.

SEKELY, IRENE ANNA. *Graduate Student in Chemistry*
New York, N. Y. A.B. Barnard College 1948; M.A. Bryn Mawr College 1949.

SHARAWI, LAILA MOHAMED ALI. *Graduate Student in Social Economy*
Cairo, Egypt. B.A. American University at Cairo, 1948.

SHIELDS, JEAN LOUISE. *Graduate Student in English*
Caistor Centre, Ont., Canada. B.A. McMaster University 1948.

SISKIND, JEROME GERALD. *Graduate Student in Social Economy*
Philadelphia, Pa. A.B. Brooklyn College 1942; M.S.S. Bryn Mawr College 1948.

SISTER MARY OF LOURDES. *Graduate Student in Chemistry (Semester II)*
Immaculata, Pa. A.B. Immaculata College 1944; M.S. Institutum Divi Thomæ 1945.

SISTER M. ST. AGATHA. . *Graduate Student in Chemistry (Semester II)*
Immaculata, Pa. A.B. Immaculata College 1931; M.A. Villanova College 1942; M.S. Institutum Divi Thomæ 1945.

STANLEY, ALICE DAVIES [33]. *Graduate Student in Latin*
Glenside, Pa. A.B. Vassar College 1940; M.A. Bryn Mawr College 1947.

STEVENSON, SALLY BARCLAY. *Graduate Student in Philosophy*
Philadelphia, Pa. A.B. College of William and Mary 1946.

STRONG, FREDERICK CARL III. *Graduate Student in Chemistry*
Bryn Mawr, Pa. A.B. Swarthmore College 1939; M.S. Lehigh University 1941.

TAGGART, PATRICIA ANNE. *Graduate Student in English*
Lansdowne, Pa. A.B. Bryn Mawr College 1945.

TATE-SMITH, DIANA. *Graduate Student in Philosophy*
Bryn Mawr, Pa. A.B. Bryn Mawr College 1935.

THEIS, JEANNE ALICE. *Graduate Student in French*
Le Chambon-sur-Lignon, France. A.B. Swarthmore College 1946; M.A. Bryn Mawr College 1949.

[31] Mrs. Esther Duke Redding.
[32] Mrs. Dominic Sciamanda.
[33] Mrs. Edward L. Stanley.

THOMAS, GLADYS WATT [34]...*Graduate Student in Social Economy*
Berkeley, Calif. A.B. University of California 1930.

TOOTHMAN, CAROLYN NELL REED [35].....*Graduate Student in Social Economy*
Glenville, W. Va. B.S. West Virginia University 1946; M.S.S. Bryn Mawr College 1949.

TRAVAGLINI, ELIZABETH CHRISTINA..*Graduate Student in Chemistry*
Bryn Mawr, Pa. A.B. University of Pennsylvania 1948.

TURNER, ALLAYNE CLAIRE.....*Graduate Student in History*
Durham, N. C. A.B. North Carolina College 1948.

UNTERBERGER, HILMA.....*Graduate Student in Psychology*
Edwardsville, Pa. A.B. Bryn Mawr College 1948.

UTZINGER, PAULINE ROSE.....*Graduate Student in Psychology*
Rochester, Minn. A.B. Carleton College 1947.

WALLACE, FRANCES.....*Graduate Student in Social Economy*
Philadelphia, Pa. A.B. Beaver College 1948.

WEBB, SARAH COFFIN [36].....*Graduate Student in Social Economy (Semester II)*
Hartsville, Pa. A.B. University of Delaware 1928.

WILFORD, SARA ELIZABETH.....*Graduate Student in Physics*
Merion, Pa. A.B. Smith College 1948.

WILLING, EDWARD SHIPPEN, JR.....*Graduate Student in Geology*
West Chester, Pa. A.B. Williams College 1938; M.A. Bryn Mawr College 1949.

WILSON, CONRAD.....*Graduate Student in Classical Archæology*
Berwyn, Pa. A.B. University of Pennsylvania 1948.

WOOD, REBECCA COOPER..*Graduate Student in Classical Archæology*
Moorestown, N. J. A.B. Bryn Mawr College 1945.

Summary of Graduate Students

Travelling Fellow	1
Resident Fellows	8
Special Fellows	5
Foreign Scholars	10
Graduate Scholars	30
Graduate Students	110
Total	164

[34] Mrs. Gladys Watt Thomas.
[35] Mrs. Nolan E. Toothman.
[36] Mrs. Sarah Coffin Webb.

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BULLETIN

OF THE

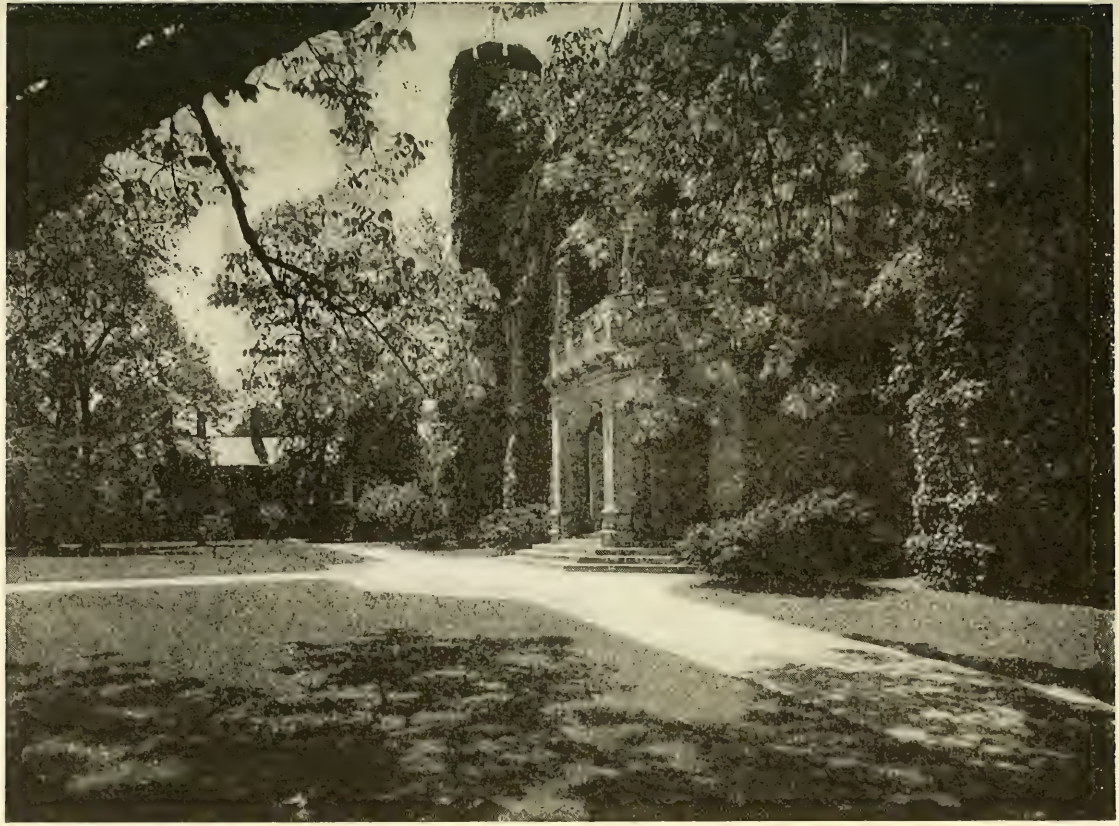
Carola Woerishoffer

Department of Social Economy and Social Research

1949 - 50

BRYN MAWR COLLEGE

BRYN MAWR, PENNSYLVANIA



M. Carey Thomas Library and center of the *Carola Woerishoffer* Department of Social Economy and Social Research

FOREWORD

Bryn Mawr College was founded by Dr. Joseph Taylor of Burlington, New Jersey. During his lifetime the site of the College at Bryn Mawr, Pennsylvania, twelve miles west of Philadelphia, was purchased and the buildings were begun. At his death in January, 1880, he left the greater part of his estate for the maintenance of this institution of higher education for women. In 1880 the College was incorporated under the laws of the Commonwealth of Pennsylvania and was invested with the power to confer degrees. In 1883 the Trustees issued a circular of information. In 1884 Dr. James E. Rhoads was elected President of the College and Dr. M. Carey Thomas was elected Dean of the Faculty. Plans were then matured and academic appointments were made. In the autumn of 1885 the College began its first academic year. On the resignation of President Rhoads in 1893 Dean Thomas was elected to the presidency, an office she held till her retirement in 1922. President Marion Edwards Park succeeded President Thomas in 1922 and retired in 1942. President Katharine Elizabeth McBride took office on July 1, 1942.

Bryn Mawr College is situated in beautiful surroundings 12 miles from Philadelphia, with convenient access to music, theater, museums and the varied cultural interests of cosmopolitan urban life. The college libraries, lectures and concerts are open to all graduate students.

CALENDAR

1949-50

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JUNE

COLLEGE CALENDAR

1949-50

1949		FIRST SEMESTER
September	29.	Halls of Residence open to the entering class at 8 A.M. Registration of Freshmen Advanced Standing Examinations begin Deferred, condition and auditors' examinations begin
October	1.	Graduate Center open to new graduate students at 9 A.M. Registration of new graduate students Deferred, condition and auditors' examinations end
	2.	Halls of Residence open to all students at 8 P.M.
	3.	Registration of students.
	4.	Work of the 65th academic year begins at 8.45 A.M.
	15.	German examinations for undergraduates, M.A. and Ph.D. candidates
	20.	Advanced Standing Examinations end
	*22.	French examinations for undergraduates, M.A. and Ph.D. candidates
	29.	Spanish and Italian examinations for undergraduates and M.A. candidates Statistics examinations for M.A. candidates
November	5.	Hygiene examination
	23.	Thanksgiving holiday begins after last class
	28.	Thanksgiving holiday ends at 9 A.M.
December	16.	Christmas vacation begins at 12.45 P.M.
1950		
January	3.	Christmas vacation ends at 9 A.M.
	7.	German examinations for Seniors conditioned, M.A. and Ph.D. candidates
	*14.	French examinations for Seniors conditioned, M.A. and Ph.D. candidates
	20.	Last day of lectures
	21.	Spanish and Italian examinations for Seniors conditioned and M.A. candidates Statistics examinations for M.A. candidates
	23.	Collegiate examinations begin
February	4.	Collegiate examinations end
		SECOND SEMESTER
February	7.	Work of the second semester begins at 9 A.M.
March	24.	Spring vacation begins after last class
April	3.	Spring vacation ends at 9 A.M. Deferred examinations begin
	8.	Deferred examinations end
	22.	French examinations for undergraduates, Ph.D. candidates, and M.A. candidates for 1951
	*29.	Spanish and Italian examinations for undergraduates, Ph.D. candidates, and M.A. candidates for 1951
May	6.	German examinations for undergraduates, Ph.D. candidates, and M.A. candidates for 1951
	19.	Last day of lectures
	22.	Collegiate examinations begin
June	2.	Collegiate examinations end
	4.	Baccalaureate service
	6.	Conferring of degrees and close of 65th academic year

*Additional language examinations (Greek, Russian, etc.) will be scheduled during this period in relation to other examinations of the students concerned.

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COLLEGE ADMINISTRATION

Academic Year 1949-50

President: Katharine Elizabeth McBride, Ph.D., LL.D., L.H.D.
Office: Taylor Hall.

Dean of the College: Dorothy Nepper Marshall, Ph.D.
Office: Taylor Hall.

Dean of the Graduate School: Lily Ross Taylor, Ph.D., Litt.D.
Office: The Library.

College Physician: Elizabeth Humeston, M.D.
Office: The Infirmary.

Director of Halls and Head Warden:
Charlotte Brandon Howe, M.A.
Office: Rockefeller Hall.

Librarian: Janet Margaret Agnew, B.L.S., M.A.

Secretary of the Graduate Department of Social Economy:
Lucy Shaw Turner
Office: The Library.

FACULTY

CAROLA WOERISHOFFER DEPARTMENT OF SOCIAL ECONOMY AND SOCIAL RESEARCH

1949-50

Florence Peterson, M.A., *Professor of Social Economy and Director of the Department*

Hertha Kraus, Ph.D., *Associate Professor of Social Economy*

Frederica de Laguna, Ph.D., *Associate Professor of Anthropology*

Mary Margaret Zender, M.A., M.S.S., *Lecturer and Supervisor of Social Case Work*

Muriel Janet Gayford, M.S.P.A., *Lecturer in Medical Social Work*

Katherine Lower, Ph.D., *Lecturer in Social Research*

Leon J. Saul, M.D., *Special Lecturer in Psychiatric Information*

William A. Jeffers, M.D., *Special Lecturer in Medical Information*

M. Royden C. Astley, M.D., *Special Lecturer in Psychiatric Information*

INSTRUCTIONAL STAFF IN RELATED DEPARTMENTS

Roger Hewes Wells, Ph.D., *Professor of Political Science*

Rachel Dunaway Cox, Ph.D., *Associate Professor of Education and Psychology*

Joe Kennedy Adams, Ph.D., *Assistant Professor of Psychology*

Maxine S. Woolston, Ph.D., *Lecturer in Economics*

Helen Manning Hunter, M.A., *Instructor in Statistics*

HISTORY AND PROGRAM

The *Carola Woerishoffer* Graduate Department of Social Economy and Social Research was opened in the autumn of 1915 in order to afford women an opportunity to obtain an advanced scientific education in Social Economy which should compare favorably with the best preparation in any profession. It is known as the *Carola Woerishoffer* Graduate Department in order that the name of Carola Woerishoffer, who devoted her life to social service and industrial relations, may be associated in a fitting and lasting way with Bryn Mawr College which she so generously aided.

From its inception the curriculum of the Department has been guided by the principles of maintaining a close interrelationship between the applied and the theoretical; of preparation for social service founded upon a broad knowledge of the social sciences and the development of social research techniques as a basis for social policy and practice.

In pursuance of these broad objectives, the Department has maintained several types of programs leading toward different degrees. The programs for the M.A. and Ph.D. are for students who are primarily interested in theory and intensive research in a chosen special area. The curriculum of studies includes sociological and social theory, labor relations, social economy and social welfare.

The Department also offers an integrated program of study and field-work practice for students who wish to prepare themselves for professional work in public and private social services. The Department is a charter member of the American Association of Schools of Social Work. For a number of years the Department granted professional Certificates to students who had completed the required graduate courses for social work. In response to the growing recognition of social work as a profession, the degree of Master of Social Service was substituted for the Certificate in 1947.

The program for the professional degree of M.S.S. is designed to equip the graduate to assume the responsibilities of dealing with

individuals and groups, and to provide a basic knowledge of social institutions and social welfare programs as dynamic responses to human needs in a changing society. The curriculum is planned to give an understanding of the fundamental principles underlying all branches of the profession as well as to develop the skills of social work practice in the fields of social casework, medical social work, community organization, social administration, and social research.

ADMISSION

The Graduate Department of Social Economy is open to qualified graduates in liberal arts courses of colleges or universities of recognized standing. Application for admission, to be made to the Secretary of the Department, should be accompanied by a copy of the student's full academic record and by letters from the Dean and from two or more professors of the applicant's undergraduate college. The Department may, at its discretion, require students whose preparation is insufficient to pursue certain introductory courses before being enrolled in a graduate course. Admission to the Graduate School does not automatically qualify a student to become a candidate for an advanced degree. Students whose courses of study meet the prerequisites may on application to the Graduate Committee be enrolled as candidates for the degrees of Master of Arts, Master of Social Service, or Doctor of Philosophy.

Men as well as women are admitted to the Graduate School and are accepted as candidates for the degrees of Master of Arts, Master of Social Service, and Doctor of Philosophy.

Transfer Credit

A maximum of three units of graduate credit from an institution accredited by the American Association of Schools of Social Work will be accepted for the M.S.S. degree. No transfer credit will be given until after the candidate has completed satisfactorily a semester at Bryn Mawr. All candidates must spend at least one full year at Bryn Mawr.

No transfer credit is accepted for the M.A. degree. For the Ph.D. degree, candidates must be in residence in the Graduate School at Bryn Mawr at least two years (or one year for Bryn Mawr graduates). Part of the work for the Ph.D. may be done at other institutions.

Graduate Record Examination. The Bryn Mawr Graduate School recognizes as contributory evidence of the qualifications of a student for admission a record of attainment in the Graduate Record Examination prepared by the Educational Test Service, Princeton, New Jersey. This examination is a convenient method by which a student may supplement transcript records. Applicants for admission to the Graduate School who wish to take the examination should apply directly to the Educational Test Service, 437 West 59th Street, New York 19, N. Y., where full information may be secured and arrangements for taking the test may be made. There is a fee of $3.00.

RESIDENCE AND EXPENSES

On entrance to the College every graduate student must register immediately at the office of the Dean of the Graduate School. (For registration of courses, see pages 24ff.)

Holders of resident fellowships and scholarships are expected to live in the Graduate Hall of Residence. Other graduate students may live there if a room is available. Students not in residence are expected to make arrangements satisfactory to the College. With a few exceptions, every student in the Graduate Hall has a separate room. The rooms are fully furnished except for rugs, curtains, and towels, which the student is expected to provide. There are also two small apartments with cooking facilities close to the Graduate Hall. Students who live in these apartments and do not take their meals in the Hall will be given an adjustment in their residence fees.

Application for a room should be made as early as possible. A room-contract, which will be sent on request, must be signed and returned with the registration fee of ten dollars to the Dean of the Graduate School. The amount of this fee will be deducted from the residence fee. The fee will not be refunded under any circumstances. A student in residence or a new student who cancels her reservation after September first prevents some other student from obtaining accommodation and consequently admission to the College. Therefore unless a student sends notice of withdrawal in writing to the Dean of the Graduate School before September first, she is responsible for that portion of the residence charge which the College loses by reason of her withdrawal, whether she fails to occupy the room at all or vacates it during the year. Appropriate reduction or remission is made for that portion of the residence fee which represents reduced expense to the College for food; a further remission or reduction is made if the College is able to reassign the student's room to some other student not previously in residence. The student herself is not entitled to dispose of the room she leaves vacant. In case of absence from the College extending over six weeks or more, owing to illness, there will be a proportionate reduction in the charge for the cost of food.

The charge for residence (room and board) for graduate students is $750 a year payable $450 in the first semester and $300 in the second semester.

The residence halls are closed during the Christmas vacation but accommodations in the neighborhood can usually be secured by graduate students who wish to continue their work. During the spring vacation one of the residence halls is open and students may occupy rooms at a fixed rate. Any student remaining in Bryn Mawr or nearby and not in the College or in her own home for all or part of a vacation must make arrangements satisfactory to the Dean of the Graduate School.

The College reserves the right to exclude at any time students whose conduct or academic standing renders them undesirable members of the college community. In such cases fees due or paid in advance will not be refunded or remitted in whole or in part; fellowships and scholarships will be cancelled.

The College reserves the right, if parents cannot be reached, to make decisions concerning emergency operations or other matters of health in regard to the students.

The tuition fee for graduate students is $400 a year, payable one half on registration and the other half at the beginning of the second semester. For students registered for less than full-time work the fees are as follows:

For one graduate course or seminary, or one unit of independent work	$150
For one undergraduate course	175

(Candidates for the degree of Master of Arts or Master of Social Service are charged $150 for an undergraduate course which is taken in partial fulfilment of the requirements for that degree.)

All students taking courses which require field work in the Department of Social Economy and Social Research are charged a laboratory fee of $10 a semester for each course taken. This fee covers a part of the expenses of field supervision. In addition, students are required to meet their travelling and incidental expenses while working in the field during the academic year and vacations.

The graduation fee for Doctors of Philosophy, Masters of Arts and Masters of Social Service is $20.

The Office of the Recorder will supply on request one transcript of the record of each graduate student free of charge. For additional transcripts a charge of $1.00 each will be made.

Tuition fee (not counting laboratory fees)	$400
Residence	750
Total	$1150

Students whose fees are not paid before November first in the first semester and before March first in the second will not be permitted to continue in residence or to attend their classes. No reduction of the tuition fee will be made on account of absence or dismissal or for any other reason.

GRADUATE CLUB

All resident students in the Graduate School are members of the Graduate Club and non-resident students may become members. The organization of the life of the graduate students in all matters not purely academic or affecting hall management is in the hands of the club. The President of the Graduate Club is a member of the College Council, a non-legislative body which meets periodically to discuss matters concerning the College as a whole. The Council of the Graduate Club considers policies relating particularly to the Graduate School.

HEALTH

Every entering resident graduate student is required to file at the office of the Dean of the Graduate School, on a blank to be secured from the Dean of the Graduate School, a report of a recent medical examination, filled out and signed by a physician.

Every graduate student whether resident or non-resident must file a physician's certificate stating that she has been vaccinated against smallpox during the year before entrance to the Graduate School and that she exhibited a typical or immune reaction to this vaccination. Students who do not certify to vaccination will be vaccinated by the College Physician and charged a fee of two dollars. There is no exception to this rule.

There is required on the medical examination blank a statement of immunization against tetanus by toxoid and of evidence of a negative Schick test. If these have not been done by the time the student arrives in Bryn Mawr, the College Physician will make the tests at the time of the initial physical examination at a fee of two dollars for each test.

Every resident graduate student must file a certificate stating that her eyes have been examined by an oculist within six months before entrance to the Graduate School. Failure to comply with the above rule entails an examination by one of the college consultants for which the student will be charged as a private patient by the ophthalmologist who makes the examination.

Every resident graduate student has a chest X-ray at the beginning of each year. These X-rays are made with paper plates, and a fee of about two dollars is charged for each. If necessary the paper plate is checked with stereoscopic celluloid films, the fee for which is twenty dollars. Any graduate student who has had a chest X-ray within six months preceding the opening of any year will be excused from this procedure, provided a complete report has been filed with the College before September fifteenth of the year in question.

Every resident graduate student is examined each year by the Physician of the College, with reference to physical development and general health. Any graduate student who at the time of the

examination or at any time during the year is not in good health is placed on the health supervision list.

The College Physician is in her office in the college infirmary daily and may be consulted by the students without charge. Specialists practicing in Bryn Mawr and Philadelphia serve as consulting physicians to the College. The fees of the consulting physicians and surgeons and other specialists recommended by the College will be furnished on request. The infirmary is open when college is in session and during the spring vacation. It is closed during the Christmas vacation.

The residence charge paid by each resident graduate student entitles her to free consultation with the College Physicians and to treatment in the college dispensary. It also entitles her to be cared for in the infirmary for seven days (not necessarily consecutive) during the year and to attendance by the College Physicians during this time and to nursing, provided her illness is not contagious and is not sufficiently serious to require the services of a special nurse. The fee for each day in the infirmary after the seven-day period is six dollars. In case of contagious disease the student must meet or share the expense of special nursing.

Non-resident graduate students may, if they so desire, pay a non-resident infirmary fee of five dollars which entitles them to a medical examination by the College Physician and to dispensary care. Non-resident students may also take the opportunity to have a paper plate chest X-ray at a fee of about two dollars when the annual college X-ray survey is made in the autumn.

THE LIBRARY

The Library of Bryn Mawr College contains 204,000 volumes and over 13,000 pamphlets. Nine hundred periodicals and serial publications in English, French, German, Italian, Spanish, and Swedish are currently received. The basic collection is contained in the M. Carey Thomas Library. The seminary and reading rooms of the Social Economy Department contain a wide assortment of books and periodicals relating to the social sciences.

The privilege of drawing books from any of these collections (with the exception of those books that are on reserve) is granted to all registered students. There is free access to the stacks. The library is open daily, except Sunday, from 8 A. M. to 10 P. M. and on Sunday from 9 A. M. to 10 P. M. (The stacks are open from 2 P. M. to 10 P. M. on Sunday.)

In addition to the Bryn Mawr library facilities, the Union Library Catalogue in the Fine Arts Building of the University of Pennsylvania makes possible the easy location of books to be found in any of the more than one hundred and fifty cooperating libraries in the Philadelphia metropolitan area. This catalogue contains a record of about 3,500,000 titles. The Philadelphia Bibliographical Center and Union Library Catalogue endeavors to assist research workers in bibliographical problems which fall outside the scope of any individual library.

DEGREES

For qualified students of the Graduate Department of Social Economy Bryn Mawr College offers three degrees—Master of Social Service, Master of Arts, and Doctor of Philosophy.

MASTER OF SOCIAL SERVICE

The program leading to the degree of Master of Social Service includes four semesters and a ten-week summer session between the first and second years. The program is designed to prepare students for work in the various social services and offers three major areas of concentration—social casework, community organization and social research. The degree represents the completion of a coordinated program of courses and field-work, with different arrangements in accordance with the student's choice of major field of concentration.

Prerequisites. The prerequisite for the M.S.S. degree is an A.B. degree or its equivalent from an American college of recognized standing[1], or a degree or certificate of the same standard from a foreign university. An undergraduate major in one of the social sciences is usually required although in exceptional cases this requirement is waived. There are no language requirements for the M.S.S. degree.

Program of Work. In general, all beginning students follow a basic program during the first year, with some opportunity for differentiation during the second semester. In their second year programs will differ more widely, according to areas of concentration.

All candidates for the M.S.S. degree spend the first semester of their first year in class work. During the second semester, two days a week are devoted to courses and three days to field practice in casework. During the first year summer session, students majoring in casework spend four days each week in field practice

[1] In general, this term has been interpreted to mean colleges of the United States and Canada on the approved list of the Association of American Universities. Graduates of other American and Canadian colleges may be admitted to candidacy on probation. At any time after the completion of one semester of graduate work at Bryn Mawr College the Graduate Committee may, on the recommendation of the department, accept the student on probation as a candidate.

and one day in courses. Those carrying other majors spend an equivalent time with an agency or institution which will provide experience related to their major interests. During the second year, students majoring in casework devote two days a week to courses and three days to field practice; others devote their full time to courses of study and research, supplemented by some field observation.

Requirements for Degree. Candidates for the M.S.S. degree must have completed the equivalent of six units, including designated field-work, as well as specified non-credit lectures. Candidates must prepare a Master's paper and pass a Final Examination which will test their ability to place their special fields in the general background of their majors.

MASTER OF ARTS

The degree represents the completion of a co-ordinated program of three graduate units which, for a well prepared candidate, requires a minimum of a full year of graduate study. Work for the degree may be spread over two or three academic years which need not be in succession but must be included in a five-year period. Only courses taken at Bryn Mawr College are credited for the degree.

Prerequisites. The prerequisite for the M.A. degree is an A.B. degree or its equivalent from an American college of recognized standing or a degree or certificate of the same standard from a foreign university. The preparation must include such undergraduate work in the candidate's major subject and allied fields as shall be required by the department.

Language Requirements. A reading knowledge of French and German is in general required of all candidates. Students in Social Economy may substitute statistics or Spanish for one of these languages. Students whose native tongue is either French or German may offer English as a substitute for either French or German, whichever is not the native language. Foreign students whose native language is not French or German may offer English as a substitute for either French or German.

The language requirement is met by passing the general test of reading at sight and with a dictionary which is given by Bryn Mawr College to candidates for the A.B. degree. Examinations in languages and in statistical techniques which may be substituted for

one language will be held each year within three weeks after the opening of college, and candidates must present themselves for examination at this time. For candidates who fail, and for members of the Graduate School who expect to be candidates for the M.A. degree in a later year, a second examination will be held in January. No student may receive the M.A. degree in the following June who has not passed these examinations by the mid-year examination period.

Program of Work. The candidate's program must include *three* units of work: (1) one seminary or graduate course; (2) a second seminary or supervised unit of graduate work; (3) a third seminary or an undergraduate course recommended by the department. It is expected that this program will frequently include study in an allied field. If undergraduate courses are included in this last unit, they must be supplemented by organized individual work.

Requirements for Degree. The candidate shall, in consultation with the department, select a special field and write an M.A. paper which will normally relate to one of the seminaries or units of graduate work in the candidate's program. Every candidate must pass a Final Examination which shall test her ability to place the special field in a general background of her major subject. The Final Examination may not be taken until (1) the language requirements have been met (by January of the year in which the last full unit for the degree is registered); (2) the three units have been reported as satisfactory; (3) the paper in the special field has been accepted.

DOCTOR OF PHILOSOPHY

The course of study for the degree of Doctor of Philosophy offers the student the opportunity to acquire a broad general background in the chosen fields of knowledge and practice in research in these fields. The degree is awarded after the student's general knowledge and ability in research have been tested by examination and by a dissertation.

The candidate for the Ph.D. degree should have ability of high order, intellectual curiosity and critical judgment, independence, a broad general education, fundamental training in the major and allied fields, and the determination needed to carry through an exacting program.

The general requirements for the Ph.D. degree are:

1. An undergraduate preparation in major and allied fields which is satisfactory to the Department and to the Graduate Committee.

2. A course of study requiring a minimum, which will usually be exceeded, of three full years of graduate work in major and allied fields; two of these years, or for holders of the A.B. degree from Bryn Mawr College one, must be spent in the Graduate School of Bryn Mawr College. Candidates are strongly advised to complete at least seven units of graduate work including five graduate courses; there are, however, no formal course requirements for students who have been accepted as candidates for the degree.

3. The acceptance of the student as a candidate by the Director of her work, by the Department, and by the Graduate Committee.

4. A reading knowledge of French and German, tested by a written examination in the translation of French and German texts in the field of the major subject.

5. A satisfactory Preliminary Examination in the candidate's major and allied fields. This examination is intended to test the candidate's general knowledge of the fields rather than familiarity with particular courses.

6. The preparation of a dissertation judged to be a contribution worthy of publication. The dissertation must represent independent investigation in the field covered by the major subject. It must contain new material, results or interpretations.

7. A satisfactory Final Examination in the special field of the major subject in which the dissertation has been written.

8. The publication of the dissertation in whole or in part.

COURSES OF STUDY

All undergraduate and graduate courses of the College are open to properly qualified graduate students. Only courses especially pertinent to Sociology and Social Economy are described in this calendar[1]. For the complete program see the Calendar of Undergraduate Courses and the Calendar of Graduate Courses.

Graduate and undergraduate courses at the University of Pennsylvania are also available for graduate students of Bryn Mawr College. By a reciprocal arrangement with the University full-time graduate students of Bryn Mawr College are admitted without tuition charge to courses at the University for which they are qualified.

Every graduate student must register her courses at the Office of the Dean of the Graduate School within two weeks after entering the College. Permission to make any change in registration must be received from the Dean of the Graduate School.

Candidates for the M.A. and the Ph.D. degrees will select those courses which are related to their special fields of interest. In general, candidates for the M.S.S. degree are required to take *History of Social Welfare, Physical and Psychological Development of the Individual* and *Introduction to Social Research* during the first semester of their first year and *Legislation for Social Security, Problems of Physical and Mental Disease* and *Casework I* during the second semester of their first year, and *Social Research* during the first semester of their second year. Further requirements are contingent upon the candidate's field of concentration.

Sociology and Allied Courses

Labor-Management Relations (first semester): Miss Peterson.

Economic and social forces which influence labor and management relations; the process of collective bargaining and its impact upon workers, industry, and the public.

Labor Problems (second semester): Miss Peterson.

Wages and standard of living; union-management cooperation and conflict; the government's role in the settlement of labor problems.

[1] Undergraduate courses are indicated by arabic numbers. The letter "a" following the number indicates a half-course given in the first semester; the letter "b" a half-course given in the second semester. An asterisk * indicates a graduate seminary which is offered upon the request of a sufficient number of students. Unless otherwise indicated, graduate seminaries continue throughout the year.

History of Social Welfare (first semester): Dr. Kraus.

Principles and practices of the more important earlier methods of assisting the poor, the physically, mentally and socially handicapped, and of the major community resources developed for the purpose both here and abroad.

Legislation for Social Security (second semester): Dr. Kraus.

Social legislation in the United States, current and pending, with emphasis on the changes in fundamental concepts. Important social legislation in other countries is used as comparative material.

Child Welfare Services (202b): Dr. Kraus.

A survey of child welfare needs and services with special emphasis on the development of recent government programs.

**International Welfare Services:* Dr. Kraus.

The history and principles of international cooperation for social welfare in the fields of war and disaster relief, and international aid to rehabilitation and resettlement. Special attention is given to the strengthening of the social welfare component in various inter-governmental agency programs and the development of long-range policies and standards for human welfare and suitable methods for their international implementation.

Physical and Psychological Development of the Individual (first semester): The Department and Special Lecturers.

Selected knowledge from the fields of medicine, psychology, and psychiatry regarding normal growth and change of the individual as an integrated, functional organism. The emphasis is on the process of adjustment during growth and the building up of mechanisms for meeting physical and social forces in a changing culture.

Problems of Physical and Mental Disease (second semester): The Department and Special Lecturers.

Knowledge from the related fields of medicine and psychiatry regarding specific disease processes as they commonly appear in social work practice. The emphasis is on those diseases which have an important social component, especially the chronic illnesses, and on related or resulting problems of social maladjustment.

Advanced Psychiatric Information (first semester): Dr. Saul.

Ten lectures giving a systematic presentation of the field of psychiatry as it impinges upon the work of the social case worker. No credit, but required of all students majoring in casework.

**Clinical Problems:* Dr. Cox.

The first semester is devoted to the study of the neurological deficiencies, learning disabilities, and to the more important aspects of interpretation and application of psychological test findings. In the second semester behavior problems of children and adolescents are studied, and opportunity is provided for supervised work with individual children. Each semester may be taken as a half-unit course.

Social Psychology (201a): Dr. Adams.

A study of the psychological determinants of social behavior.

Ethnology (205): Dr. de Laguna.

Cultures of contemporary non-literate peoples; cultural dynamics.

Sociological Theory (310): Instructor to be announced.

Factors involved in the sociological interpretation of society and culture; the nature of social interaction, control and change with particular attention to the social problems involved.

Industrial Organization: Dr. Woolston.

A study of the development of modern industrialism with particular reference to the development of the modern corporation; corporation finance and price policy; the decline of competition and problems of government regulation and control.

Full Employment: Dr. Woolston.

A study of the business cycle and business cycle theory; the "Keynesian Revolution" and post-Keynes economic theory; the full employment policy of the United States and of other countries.

Reconstruction in Western Europe: Dr. Wells.

The first semester deals with Germany since World War II. The second semester begins with a study of postwar France and concludes with the European Recovery Program and Western Union. Each semester may be taken as a half unit course.

Processes and Techniques

Social Casework I (second semester): Miss Zender and Miss Gayford.

The generic processes in casework practice; interaction among client, worker, agency, and community developed through class discussion of the student's own material and material introduced by the instructor. Field work: 300 hours.

Social Casework I (summer): Miss Zender and Miss Gayford.

Continuation of generic processes in casework practice. Field work: 300 hours.

Social Casework II (one year): Miss Zender.

A study of case material designed to deepen the student's skill in dealing with the various problems which bring clients to the social casework agencies. Field work: 600 hours.

Principles of Medical Social Work (one year): Miss Gayford.

Medical social casework in various medical settings with emphasis upon understanding the social and emotional component in illness and in medical care; administrative problems of medical social work. A series of medical lectures, clinic observation and participation in medical conferences are arranged at various medical schools in Philadelphia. Field work: 600 hours.

**Principles of Group Work:* Dr. Kraus.

Basic principles of group work, its elementary techniques, the inter-relation of group work and casework, and the application of group work principles and skills to other areas of social work.

Community Organization (first semester): Dr. Kraus.

Past and present methods and trends in the organized planning, promotion, and implementation of social welfare programs in different functional fields and in relation to their operation on different levels of government.

Students majoring in Community Organization will be assigned block field work during one summer. (375 hours.)

Social Administration (second semester): Dr. Kraus.

The principles and procedures of administration as applied to public and private social agencies; inter-agency relations. Opportunities for field work and research will be arranged according to the interests and qualifications of the students.

**Public Administration* (first semester): Dr. Wells.

The role of public administration in the modern state; administrative organization, public relations of administrative agencies, inter-governmental relations, personnel problems, financial administration and administrative law.

**Personnel Administration In Industry:* Miss Peterson.

Selection and training; work incentives and work conditions; adjustment of employee grievances.

Introduction to Social Research (first semester): Dr. Lower.

Principles, methods and use of social research.

Required of all candidates for degrees who have not had an equivalent undergraduate or graduate course.

Social Research (first semester): Dr. Lower.

The more advanced methods and recent developments in social research as well as application of research methods in the planning and execution of specific projects.

Statistics (203): Mrs. Hunter.

Descriptive statistics; distributions; mean values; dispersion; elements of probability, of sampling, and of time series. The necessary mathematics is developed in the course.

**Principles and Administration of School Guidance:* Dr. Cox.

Philosophy and practice of the school counselor, teacher and administrator in dealing with the guidance of children in secondary and elementary schools in matters of educational and vocational, emotional and social adjustment. Effective approaches in dealing with behavioral deviations are explored. Each semester may be taken as a half unit course.

FELLOWSHIPS AND SCHOLARSHIPS

Bryn Mawr College offers fellowships, resident and non-resident scholarships, and a research assistantship to women students in the Department of Social Economy. In addition, scholarships are offered by various agencies in the Philadelphia vicinity to both men and women graduate students preparing for social work.

Applications for resident fellowships and scholarships should be made to the Secretary of the Department of Social Economy and must be filed not later than March first preceding the academic year for which they are desired. Blanks are forwarded to all applicants by the Secretary. Awards are announced each year on April first. Original papers and photographs, sent by applicants in support of their applications, can be returned only if postage is enclosed for that purpose, or specific instructions are given for return by express. Testimonials and letters from professors and instructors are filed for reference.

Susan M. Kingsbury Research Assistantship: A research assistantship of the value of $1,000 with remission of tuition will be granted to an advanced student, preferably a candidate for the degree of Doctor of Philosophy, who from either training or experience has knowledge of methods and techniques in social investigation. The holder of the Assistantship will give half of her time to the research of the Department, and half of her time to study. She is not permitted to hold any other paid position. She may live on the campus, paying the usual charges for residence.

Carola Woerishoffer Memorial Fellowships: Two Resident Fellowships of the value of $1,250 each are offered annually to American or Canadian women students. They are awarded on the ground of excellence in scholarship to candidates who have completed at least one year of graduate work at a college of recognized standing. Resident Fellows pay the regular fees for residence and tuition. Holders of Fellowships are not permitted to teach or to hold paid positions.

Carola Woerishoffer Memorial Scholarships: Two Resident Graduate Scholarships of the value of $650 each will be awarded on the ground of excellence in scholarship to candidates who have obtained their first degrees from a college of recognized standing. Holders of Scholarships are allowed to do a small amount of teaching or other paid work.

The Susan M. Kingsbury Research Grant, value of $300, is awarded in alternate years on the recommendation of the Director of the Graduate Department of Social Economy to advanced students, preferably candidates for the degree of Doctor of Philosophy.

Scholarships in Social Work: Various agencies and hospitals in Philadelphia and vicinity offer a limited number of scholarships and fellowships ranging from $500 to $1100 for first-year and second-year students who are candidates for the Master's degree in Social Service. These agency scholarships and fellowships call for field work placement in the agency giving the grant, and may call for an agreement as to employment for one year following the holding of the grant.

General College Scholarships

In addition to the fellowships and scholarships available only to students in the Graduate Department of Social Economy are some scholarships which are open to all graduate women students of Bryn Mawr College:

Eighteen *Resident Graduate Scholarships,* value $650 each, are offered annually in open competition to students who are graduates of colleges of good standing. In rare cases applicants for these scholarships may, on the basis of financial need, be given a supplementary grant not to exceed $200.

Six *Non-Resident Tuition Scholarships,* value $400 each, are offered annually to graduate students whose homes are in the vicinity of the College.

Graduate Prize

The Susan B. Anthony Memorial Prize, value $500, commemorating the great work of Susan B. Anthony for women, was founded by her friend, Anna Howard Shaw, and her niece, Lucy E. Anthony. It is offered every two years to a graduate student at Bryn Mawr College who has published or submitted in final form for publication the best study dealing with the industrial, social, economic, or political position of women in the past, present, or future. The award is made by a committee of which the President of the College is chairman.

LOAN FUND

The Bertha Goldstein Memorial Loan Fund, established in honor of Bertha Goldstein, A.B. 1938 and M.A. 1939, is a revolving fund from which, upon recommendation of the Department of Social Economy, a limited number of loans, not exceeding $150, may be made to graduate students of Social Economy. Loans are made without interest and must be repaid within five years.

FIELD TRAINING CENTERS

American Friends Service Committee, Philadelphia.
American Red Cross, Philadelphia.
Associated Aid Societies of Harrisburg, Pa.
Children's Bureau of Wilmington, Wilmington, Del.
Children's Service, Inc., Philadelphia.
Community Service Association, Lancaster, Pa.
Council of Social Agencies, Pittsburgh, Pa.
County Department of Public Assistance of Dauphin County, Harrisburg, Pa.
County Department of Public Assistance of Montgomery County, Norristown, Pa.
County Department of Public Assistance of Philadelphia County.
The Family Society of Philadelphia.
Family Service of Western Delaware County, Media, Pa.
Florence Crittenton Home, Philadelphia.
The First Family Day Care Association, Philadelphia.
Friends Neighborhood Guild, Philadelphia.
Health and Welfare Council, Inc., Philadelphia.
International Institute, Philadelphia.
Jewish Family Service of Philadelphia.
Jewish Welfare Society, Philadelphia.
Lower Montgomery Family Service Society, Jenkintown, Pa.
The Main Line Federation of Churches, Ardmore, Pa.
The Neighborhood League of Wayne, Wayne, Pa.
Norristown State Hospital Social Service Department, Norristown, Pa.
Philadelphia City Planning Commission.
Philadelphia Housing Association.
Sleighton Farm School for Girls, Darling, Pa.
St. Christopher's Hospital for Children, Philadelphia.
State Board of Public Welfare of North Carolina, Raleigh, N. C.
Tennessee Valley Authority, Knoxville, Tenn.
The Travelers Aid Society of Philadelphia.
Hospital of the University of Pennsylvania, Philadelphia.
The Woman's Hospital, Philadelphia.
Veterans Administration, Philadelphia.

Bryn Mawr College

CALENDAR

UNDERGRADUATE COURSES

ISSUE FOR THE SESSION OF

1950 • 1951

APRIL 1950

FOREWORD

Bryn Mawr College was founded by Dr. Joseph Taylor of Burlington, New Jersey. During his lifetime the site of the College at Bryn Mawr, Pennsylvania, eleven miles west of Philadelphia, was purchased and the buildings were begun. At his death in January, 1880, he left the greater part of his estate for the maintenance of this institution of higher education for women. In 1880 the College was incorporated under the laws of the Commonwealth of Pennsylvania and was invested with the power to confer degrees. In 1884 Dr. James E. Rhoads was elected President of the College and Dr. M. Carey Thomas was elected Dean of the Faculty. Plans were then matured and academic appointments were made. In the autumn of 1885 the College began its first academic year. On the resignation of President Rhoads in 1893 Dean Thomas was elected to the presidency, an office she held till her retirement in 1922. President Marion Edwards Park succeeded President Thomas in 1922 and retired in 1942. President Katharine Elizabeth McBride took office on July 1, 1942.

The College believes in the value of small classes and limits the enrollment of undergraduate students to about five hundred and fifty and graduate students to about one hundred and fifty.

Bryn Mawr confers the degrees of Bachelor of Arts, Master of Arts, Master of Social Service, and Doctor of Philosophy.

Graduate studies are pursued in all fully organized departments of the College. For information consult the Calendar of Graduate Courses.

CALENDAR

1950-51

SEPTEMBER

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COLLEGE CALENDAR

1950-51

1950 — FIRST SEMESTER

September	28.	Halls of Residence open to the entering class at 8 A.M. Registration of Freshmen Deferred, condition and auditors' examinations begin
	30.	Graduate Center open to new graduate students at 9 A.M. Registration of new graduate students Deferred, condition and auditors' examinations end
October	1.	Halls of Residence open to all returning graduate and undergraduate students at 8 P.M.
	2.	Registration of students
	3.	Work of the 66th academic year begins at 8.45 A.M.
	14.	German examinations for undergraduates, M.A. and Ph.D. candidates
	*21.	French examinations for undergraduates, M.A. and Ph.D. candidates
	28.	Spanish and Italian examinations for undergraduates, M.A. and Ph.D. candidates Statistics examinations for M.A. candidates
November	4.	Hygiene examination
	22.	Thanksgiving holiday begins after last class
	27.	Thanksgiving holiday ends at 9 A.M.
December	22.	Christmas vacation begins at 12.45 P.M.

1951

January	8.	Christmas vacation ends at 9 A.M.
	13.	German examinations for Seniors conditioned, M.A. and Ph.D. candidates
	19.	Last day of lectures
	*20.	French examinations for Seniors conditioned, M.A. and Ph.D. candidates
	22.	Collegiate examinations begin
	27.	Spanish and Italian examinations for Seniors conditioned, M.A. and Ph.D. candidates Statistics examinations for M.A. candidates
February	3.	Collegiate examinations end

SECOND SEMESTER

February	6.	Work of the second semester begins at 9 A.M.
March	23.	Spring vacation begins after last class
April	2.	Spring vacation ends at 9 A.M. Deferred examinations begin
	7.	Deferred examinations end
	21.	French examinations for undergraduates, Ph.D. candidates, and M.A. candidates for 1952
	*28.	Spanish and Italian examinations for undergraduates, Ph.D. candidates, and M.A. candidates for 1952
May	5.	German examinations for undergraduates, Ph.D. candidates, and M.A. candidates for 1952
	18.	Last day of lectures
	21.	Collegiate examinations begin
June	1.	Collegiate examinations end
	3.	Baccalaureate service
	5.	Conferring of degrees and close of 66th academic year

* Additional language examinations (Greek, Russian, etc.) will be scheduled during this period in relation to other examinations of the students concerned.

CALENDAR

1951-52

SEPTEMBER

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NOVEMBER

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1952
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APRIL

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COLLEGE CALENDAR
1951-1952

FIRST SEMESTER

1951

September 23. Halls of Residence open to the entering class at 8 A.M.
Registration of Freshmen

24. Graduate Center open to new graduate students at 9 A.M.
Registration of new graduate students
Deferred, condition and auditors' examinations begin

25. Halls of Residence open to all returning graduate and undergraduate students at 8 P.M.

26. Registration of students
Deferred, condition and auditors' examinations end

27. Work of the 67th academic year begins at 8.45 A.M.

November 21. Thanksgiving holiday begins after last class

26. Thanksgiving holiday ends at 9 A.M.

December 14. Christmas vacation begins at 12.45 P.M.

1952

January 3 Christmas vacation ends at 9 A.M.

18 Last day of lectures

21 Collegiate examinations begin

February 2 Collegiate examinations end

SECOND SEMESTER

February 5 Work of Semester II begins at 9 A.M.

March 28 Spring vacation begins after last class

April 7 Spring vacation ends at 9 A.M.

May 16 Last day of lectures

19 Collegiate examinations begin

30 Collegiate examinations end

June 3 Conferring of degrees and close of 67th academic year

COLLEGE CALENDAR

1951-52

FIRST SEMESTER

1951

September 27. Halls of Residence open to the entering class at 8 A.M.
Registration of Freshmen
Deferred, condition and auditors' examinations begin

29. Graduate Center open to new graduate students at 9 A.M.
Registration of new graduate students
Deferred, condition and auditors' examinations end

September 30. Halls of Residence open to all returning graduate and undergraduate students at 8 P.M.

October 1. Registration of students

2. Work of the 67th academic year begins at 8.45 A.M.

November 21. Thanksgiving holiday begins after last class

26. Thanksgiving holiday ends at 9 A.M.

December 21. Christmas vacation begins at 12.45 P.M.

1952

January 7. Christmas vacation ends at 9 A.M.

18. Last day of lectures

21. Collegiate examinations begin

February 2. Collegiate examinations end

SECOND SEMESTER

February 5. Work of the second semester begins at 9 A.M.

March 28. Spring vacation begins after last class

April 7. Spring vacation ends at 9 A.M.

May 16. Last day of lectures

19. Collegiate examinations begin

30. Collegiate examinations end

June 3. Conferring of degrees and close of 67th academic year

CORRESPONDENCE

The Post Office address of the College is Bryn Mawr College, Bryn Mawr, Pennsylvania.

Correspondence regarding the following subjects should be addressed to:

The President
General interests of the College

The Dean
General welfare of undergraduate students
Academic work of students
Health program

The Director of Admissions
Admission to the Undergraduate School
Entrance scholarships
Requests for catalogues

The Director of Halls
Rooms in the Halls of Residence

The Comptroller
Payment of bills

The Director of the Bureau of Recommendations
Recommendations for positions and inquiries regarding students' self-help.

The Alumnæ Secretary
Regional scholarships and loan fund
Alumnæ activities

Prospective students are encouraged to secure information about the College from their local College Representatives (see list on pages 22-27).

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THE TRUSTEES OF BRYN MAWR COLLEGE

CHARLES J. RHOADS
President

THOMAS RAEBURN WHITE
FREDERIC H. STRAWBRIDGE
Vice-Presidents

J. HENRY SCATTERGOOD
Treasurer

AGNES BROWN LEACH[1]
Secretary

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THOMAS RAEBURN WHITE
FREDERIC H. STRAWBRIDGE
RICHARD MOTT GUMMERE
J. HENRY SCATTERGOOD
AGNES BROWN LEACH[1]
MILLICENT CAREY MCINTOSH[2]
FRANCIS J. STOKES
J. EDGAR RHOADS
C. CANBY BALDERSTON
ELIZABETH GRAY VINING[3]
FREDERIC C. SHARPLESS
HENRY JOEL CADBURY

BOARD OF DIRECTORS

CHARLES J. RHOADS
President

CAROLINE MCCORMICK SLADE[4]
RICHARD MOTT GUMMERE
Vice-Presidents

J. HENRY SCATTERGOOD
Treasurer

AGNES BROWN LEACH[1]
Secretary

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FRANCIS J. STOKES
J. EDGAR RHOADS
C. CANBY BALDERSTON
ELIZABETH GRAY VINING[3]
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KATHARINE ELIZABETH MCBRIDE
CAROLINE MCCORMICK SLADE[4]

JOSEPHINE YOUNG CASE[5]
ADELAIDE W. NEALL
ELEANOR LITTLE ALDRICH[6]
ELEANOR A. BLISS

MARJORIE MARTIN TOWNSEND[7]
Alumnæ Director, 1945-50

HELEN TREDWAY GRAHAM[8]
Alumnæ Director, 1946-51

JEAN T. PALMER
Alumnæ Director, 1947-52

HELEN HILL MILLER[9]
Alumnæ Director, 1948-53

ELEANOR NEWELL BURRY[10]
Alumnæ Director, 1949-54

MARION EDWARDS PARK, by invitation
President Emeritus of Bryn Mawr College

SERENA HAND SAVAGE,[11] by invitation
President of Alumnæ Association

HILDA THOMAS MUMFORD,[12] by invitation March 17, 1950
President of Alumnæ Association March 15, 1950

1 Mrs. Henry Goddard Leach.
2 Mrs. Rustin McIntosh.
3 Mrs. Morgan Vining.
4 Mrs. F. Louis Slade.
5 Mrs. Everett N. Case.
6 Mrs. Talbot Aldrich.
7 Mrs. Harold E. Townsend.
8 Mrs. Evarts Graham.
9 Mrs. Helen Hill Miller.
10 Mrs. William Burry.
11 Mrs. William J. Savage. Deceased February 24, 1950.
12 Mrs. Thomas D. Mumford.

Standing Committees of the Board of Directors, 1950

Executive Committee

Thomas Raeburn White
Chairman

Caroline McCormick Slade
Vice-Chairman

Charles J. Rhoads
J. Henry Scattergood
Agnes Brown Leach
J. Edgar Rhoads
Katharine Elizabeth McBride
Josephine Young Case
Adelaide W. Neall
Eleanor A. Bliss

Finance Committee

Charles J. Rhoads, *Chairman*
J. Henry Scattergood
Agnes Brown Leach
Caroline McCormick Slade
Eleanor Little Aldrich

Committee on Religious Life

Katharine Elizabeth McBride
Chairman

Millicent Carey McIntosh
Francis J. Stokes
Adelaide W. Neall
Henry Joel Cadbury

Committee on Buildings and Grounds

Francis J. Stokes, *Chairman*
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J. Edgar Rhoads
Katharine Elizabeth McBride
Eleanor A. Bliss
Marjorie Martin Townsend
Eleanor Newell Burry

Library Committee

Katharine Elizabeth McBride
Chairman

Richard Mott Gummere
Eleanor Little Aldrich
Helen Tredway Graham

Deanery Committee

Adelaide W. Neall, *Chairman*
Helen Tredway Graham, *Secretary*

Agnes Brown Leach
Millicent Carey McIntosh
Elizabeth Gray Vining
Katharine Elizabeth McBride
Caroline McCormick Slade
Josephine Young Case
Eleanor Little Aldrich
Eleanor A. Bliss
Marjorie Martin Townsend
Jean T. Palmer
Helen Hill Miller
Eleanor Newell Burry

COLLEGE ADMINISTRATION

Academic Year 1949-50

President: Katharine Elizabeth McBride, Ph.D., LL.D., L.H.D.
Office: Taylor Hall.

Dean of the College: Dorothy Nepper Marshall, Ph.D.
Office: Taylor Hall.

Dean of the Graduate School: Lily Ross Taylor, Ph.D., Litt.D.
Office: The Library.

Dean of Freshmen and Director of Admissions:
Annie Leigh Broughton, M.A.
Office: Taylor Hall.

Assistant to the President: Margaret Tyler Paul, A.B.
Office: Taylor Hall.

Comptroller: Raymond G. Buckley
Office: Taylor Hall.

Field Secretary and Assistant to the Director of Admissions:
Doris Emerson, A.B.
Office: Taylor Hall.

Foreign Student Adviser: Martha M. Diez, M.A.

Halls, Director of, and Head Warden:
Charlotte Brandon Howe, M.A.
Office: Rockefeller Hall.

Librarian: Janet Margaret Agnew, B.L.S., M.A.
Office: The Library.

Physical Education, Director of: Irene A. Clayton, M.S.
Office: The Gymnasium.

Physical Education, Assistant Director of: Ethel M. Grant
Office: The Gymnasium.

Physician, College: Elizabeth Humeston, M.D.
Office: The Infirmary.

Physician, Assistant College: Isaac Sharpless, M.D.
Office: The Infirmary.

Psychiatrist, Consulting: Howard B. Smith, M.D.
Office: The Infirmary.

Public Relations, Director of: Clayton C. Adams.
Office: Taylor Hall.

Public Relations, Assistant to the Director of, in Charge of Publications: Margaret Simpson David. M.A.
Office: Taylor Hall.

Recommendations, Director of Bureau of:
LOUISE FFROST HODGES CRENSHAW, A.B.
Office: Taylor Hall.

Recommendations, Adviser in the Bureau of:
HELEN TREVOR VIETOR, A.B., *Semester I*
ANN COKE-JEPHCOTT, A.B., *Semester II*
Office: Taylor Hall.

Recorder of the College: MARIAN CARTER ANDERSON, B.S.
Office: Taylor Hall.

Superintendent: HORACE T. SMEDLEY
Office: Rockefeller Hall.

Treasurer, Assistant to the: SANDY LEE HURST
Office: Taylor Hall.

Warden of Denbigh Hall: EVELYN A. SCLUFER, A.B.

Warden of Merion Hall: ISABEL HOWLAND WITTE, A.B.

Warden of Pembroke Hall East: JANET ELIZABETH GROFF, M.A.

Warden of Pembroke Hall West: ALICE MARY LITWINCHUK, M.A.

Warden of Radnor Hall: PAULINE ROSE UTZINGER, A.B.

Warden of Rhoads Hall North: REBECCA COOPER WOOD, A.B.

Warden of Rhoads Hall South: JOAN PLATT, A.B.

Warden of Rockefeller Hall and Assistant to the Dean:
LOUISA SHANNON DUBOSE, M.A.

Warden of French House (Wyndham): JEAN THEIS, M.A.

Senior Resident of Graduate Center:
YVONNE M. J. GUERS, *Licenciée-ès-Lettres*

FACULTY AND STAFF

ACADEMIC YEAR, 1949-50

KATHARINE ELIZABETH MCBRIDE, Ph.D., LL.D., L.H.D., *President of the College.*

MARION EDWARDS PARK, Ph.D., LL.D., *President Emeritus of the College.*

DOROTHY NEPPER MARSHALL, Ph.D., *Dean of the College.*

LILY ROSS TAYLOR, Ph.D., Litt.D., *Dean of the Graduate School and Professor of Latin.*

ANNIE LEIGH BROUGHTON, M.A., *Dean of Freshmen and Director of Admissions.*

WILMER CAVE WRIGHT, Ph.D., *Professor Emeritus of Greek.*

REGINA KATHARINE CRANDALL, Ph.D., *Professor Emeritus of English Composition.*

SUSAN MYRA KINGSBURY, Ph.D., LL.D.,[1] *Professor Emeritus of Social Economy.*

GRACE MEAD ANDRUS DE LAGUNA, Ph.D., *Professor Emeritus of Philosophy.*

CHARLES GHEQUIERE FENWICK, Ph.D., LL.D., *Professor Emeritus of Political Science.*

EUNICE MORGAN SCHENCK, Ph.D., *Professor Emeritus of French.*

ANNA PELL WHEELER, Ph.D., Sc.D., *Professor Emeritus of Mathematics.*

MARY HAMILTON SWINDLER, Ph.D., LL.D., *Professor Emeritus of Classical Archæology.*

SAMUEL CLAGGETT CHEW, Ph.D., *Mary E. Garrett Alumnæ Professor of English Literature and Holder of the Mary Hill Swope Grant.*

RHYS CARPENTER, Ph.D., Litt.D.,[2] *Professor of Classical Archæology and Holder of a Julius and Sarah Goldman Grant.*

JAMES LLEWELLYN CRENSHAW, Ph.D., *Professor of Physical Chemistry.*

HELEN TAFT MANNING, Ph.D., LL.D., *Marjorie Walter Goodhart Professor of History.*

HORACE ALWYNE, F.R.M.C.M., *Alice Carter Dickerman Professor of Music and Director of the Department of Music.*

[1] Deceased November 28, 1949.
[2] On leave of absence for Semester I, 1949-50.

ROGER HEWES WELLS, Ph.D., *Professor of Political Science.*

MAX DIEZ, Ph.D., *Professor of German Literature.*

GRACE FRANK, A.B., *Non-resident Professor of Old French Philology.*

STEPHEN JOSEPH HERBEN, B.Litt., Ph.D., *Professor of English Philology.*

FRITZ MEZGER, Ph.D., *Professor of Germanic Philology.*

THOMAS ROBERT SHANNON BROUGHTON, Ph.D., *Professor of Latin.*

EDWARD H. WATSON, Ph.D., *Professor of Geology.*

MILTON CHARLES NAHM, B.Litt., Ph.D.,[1] *Professor of Philosophy.*

WALTER C. MICHELS, Ph.D., *Marion Reilly Professor of Physics.*

CORNELIA LYNDE MEIGS, A.B., *Margaret Kingsland Haskell Professor of English Composition.*

MARGARET GILMAN, Ph.D., *Professor of French.*

LINCOLN DRYDEN, Ph.D., *Professor of Geology.*

FLORENCE PETERSON, M.A., *Professor of Social Economy and Director of the Graduate Department of Social Economy and Social Research.*

CAROLINE ROBBINS, Ph.D., *Professor of History.*

RICHMOND LATTIMORE, Ph.D., *Paul Shorey Professor of Greek.*

K. LAURENCE STAPLETON, A.B., *Professor of English and of Political Theory.*

ALEXANDER COBURN SOPER, III, M.F.A., Ph.D., *Professor of History of Art.*

PAUL SCHRECKER, Ph.D., LL.D., *Professor of Philosophy on a joint appointment by Bryn Mawr College and Swarthmore College.*

MARY SUMMERFIELD GARDINER, Ph.D., *Professor of Biology.*

GERMAINE BRÉE, *Agrégée de l'Université,*[2] *Professor of French.*

MILDRED BENEDICT NORTHROP, Ph.D.,[2] *Professor of Economics.*

FELIX GILBERT, Ph.D., *Professor of History.*

ARTHUR COLBY SPRAGUE, Ph.D., *Associate Professor and Professor-elect of English.*

MARGUERITE LEHR, Ph.D.,[1] *Associate Professor of Mathematics.*

ANGELINE HELEN LOGRASSO, Ph.D., *Associate Professor of Italian.*

MYRA RICHARDS JESSEN, Ph.D., *Associate Professor of German.*

DOROTHY WYCKOFF, Ph.D., *Associate Professor of Geology.*

BERTHE MARIE MARTI, Ph.D.,[3] *Associate Professor of Latin and French.*

[1] On leave of absence for Semester II, 1949-50.
[2] On leave of absence for the year 1949-50.
[3] On leave of absence for the year 1950-51.

Richard Bernheimer, Ph.D., *Associate Professor of History of Art.*

Mary Katharine Woodworth, Ph.D., *Associate Professor of English.*

Hertha Kraus, Ph.D., *Carola Woerishoffer Associate Professor of Social Economy.*

Joseph Curtis Sloane, Jr., M.F.A., Ph.D., *Associate Professor of History of Art.*

John Chester Miller, Ph.D.,[1] *Associate Professor of History.*

John Corning Oxtoby, M.A., *Associate Professor of Mathematics.*

Isabel Scribner Stearns, Ph.D., *Associate Professor of Philosophy.*

Agnes Kirsopp Lake Michels, Ph.D., *Associate Professor of Latin.*

L. Joe Berry, Ph.D., *Associate Professor of Biology.*

Jane Marion Oppenheimer, Ph.D., *Associate Professor of Biology.*

Ernst Berliner, Ph.D., *Associate Professor of Chemistry.*

Joshua C. Hubbard, Ph.D., *Associate Professor of Economics.*

Frederick Wakefield Thon, M.F.A., *Associate Professor of the Drama.*

Magda B. Arnold, Ph.D., *Associate Professor of Psychology.*

Frederica de Laguna, Ph.D., *Associate Professor of Anthropology.*

Rachel Dunaway Cox, Ph.D., *Associate Professor of Education and Psychology.*

Bettina Linn, M.A., *Associate Professor of English.*

George P. Cuttino, D.Phil., *Associate Professor of History on a joint appointment by Bryn Mawr College and Swarthmore College.*

Geddes MacGregor, B.D., LL.B., D.Phil., F.R.S.L., *Rufus M. Jones Associate Professor of Philosophy and Religion.*

Mabel Louise Lang, Ph.D., *Assistant Professor and Associate Professor-elect of Greek.*

Manuel Alcalá, Litt.D., *Assistant Professor and Associate Professor-elect of Spanish.*

Frances de Graaff, Ph.D., *Assistant Professor of Russian on a joint appointment by Bryn Mawr College and Haverford College.*

Robert L. Goodale, A.B., B.Mus., A.A.G.O., *Assistant Professor of Music.*

Lindley J. Burton, Ph.D., *Assistant Professor of Mathematics.*

Rosalie C. Hoyt, Ph.D., *Assistant Professor of Physics.*

[1] On leave of absence for the year 1949-50.

PETER BACHRACH, M.A., *Assistant Professor of Political Science.*

JACQUES VAN DEN HEUVEL, *Agrégé de l'Université, Assistant Professor of French.*

HUGUES LEBLANC, Ph.D., *Assistant Professor of Philosophy.*

JOE KENNEDY ADAMS, Ph.D., *Assistant Professor of Psychology.*

HAROLD KWART, Ph.D., *Assistant Professor of Chemistry.*

MACHTELD JOHANNA MELLINK, Ph.D., *Assistant Professor of Archæology.*

JOHN R. PRUETT, Ph.D., *Assistant Professor of Physics.*

EDITH HAMILTON LANMAN, M.A., *Instructor and Assistant Professor-elect of Chemistry.*

MARTHA M. DIEZ, M.A., *Instructor and Assistant Professor-elect of German.*

HEINZ POLITZER,[1] *Instructor and Assistant Professor-elect of German.*

GERTRUDE C. K. LEIGHTON, LL.B., *Assistant Professor-elect of Political Science.*

ARTHUR P. DUDDEN, M.A.,[1] *Assistant Professor-elect of History.*

MARY MARGARET ZENDER, M.A., M.S.S., *Lecturer in Social Economy and Supervisor of Social Casework.*

MURIEL JANET GAYFORD, M.S.P.A., *Lecturer in Medical Social Case Work.*

KATHERINE D. K. LOWER, Ph.D., *Lecturer in Social Economy.*

JACQUES GUICHARNAUD, *Agrégé de l'Université, Lecturer in French.*

MAXINE S. WOOLSTON, Ph.D., *Lecturer in Economics.*

JOSÉ MARIA FERRATER MORA, *Licenciado en Filosofía, Lecturer in Spanish and Philosophy.*

JOHN BOARDMAN WHITTON, J.D., LL.D., *Lecturer in Political Science.*

JOHN H. POWELL, Ph.D., *Lecturer in History.*

MARY CREGAR BERWICK, Ph.D., *Lecturer in Biology.*

LOUISE W. A. HOLLAND, Ph.D., *Lecturer in Classical Archæology, Semester I.*

L. J. FLEMISTER, JR., Ph.D., *Lecturer in Biology, Semester II.*

ELEANOR S. BOLL, M.A., *Lecturer in Social Economy, Semester II*

LEON B. SAUL, M.D., *Special Lecturer in Psychiatric Information, Semester I.*

M. ROYDEN C. ASTLEY, M.D., *Special Lecturer in Psychiatric Information.*

[1] Ph.D. to be conferred June, 1950.

Aims McGuinnes, M.D., *Special Lecturer in Social Economy, Semester I.*

Arthur M. Rogers, M.D., *Special Lecturer in Social Economy.*

Murray Gordon de Jersey, M.A., *Instructor in Psychology.*

Deborah Sands Austin, M.A., *Instructor in English.*

Margarita Esteves, M.A., *Instructor in Spanish.*

Charlotte Schnakenberg, A.B., *Instructor in English.*

Frances Parker Matthai, A.B., *Instructor in English.*

Isabel E. Gamble, M.A., *Instructor in English.*

Cynthia Frances Heath Gee, M.A., *Instructor in Greek.*

Helen Manning Hunter, M.A., *Instructor in Statistics.*

Edward P. Morris, B.A., *Instructor in French.*

Olga Lamkert, *Instructor in Russian on a joint appointment by Bryn Mawr College and Swarthmore College.*

Dorothy Elvira Yates, M.A., *Instructor in Psychology.*

Janet Elizabeth Groff, M.A., *Instructor in History.*

Josephine Yager King, M.A., *Instructor in Political Science.*

Grace Hutchinson Larsen, M.A., *Instructor in History.*

Anthony F. C. Wallace, M.A., *Instructor in Sociology.*

Jean Shaffer Oxtoby, M.A., *Instructor in Mathematics, Semester II*

Barbara Entenberg Gimbel, Ph.D., *Instructor in Philosophy, Semester II.*

Ruth Murray Fansler, A.B., *Reader in Mathematics.*

Lucille Miriam Feiden, A.B., *Reader in History of Art.*

Rhoda Raasch Gilman, A.B., *Reader in Economics.*

Henrietta Huff Landes, A.B., *Curator of Slides and Photographs.*

Frances Bondhus Berliner, Ph.D., *Demonstrator in Chemistry.*

Mary Roberts Forbes Day, B.S., *Demonstrator in Biology.*

Eileen Beier Maher, M.A., *Demonstrator in Psychology.*

Richard Carlton Barbera, B.S., *Demonstrator in Physics.*

Elizabeth Ann Farrelly, B.S., *Demonstrator in Physics.*

Isabel Kellers, M.A., *Demonstrator in Biology.*

Jane H. Wallace, M.A., *Demonstrator in Geology.*

Joan Fulton White, A.B., *Demonstrator in Biology.*

Louise Charlotte Monack, M.S., *Demonstrator in Chemistry, Semester I.*

ABRAHAM ROSENZWEIG, B.S., *Demonstrator in Geology.*

ELIZABETH ANN BLOMMERS, M.A., *Demonstrator in Chemistry, Semester II.*

ESTHER RENNERT, A.B., *Demonstrator-elect in Physics.*

ANNA RUTH BRUMMETT, M.A., *Demonstrator-elect in Biology.*

RYDA DWARYS,[1] *Demonstrator-elect in Biology.*

IRENE R. WARAKSA, A.B., *Demonstrator-elect in Geology.*

ELIZABETH E. BOOTH, A.B., *Assistant in Music.*

REBECCA COOPER WOOD, A.B., *Assistant in Classical Archæology.*

MARIANNE WINTER MARTIN, M.A., *Assistant in History of Art.*

HENDERSON WOLFE, A.B., *Assistant in History of Art.*

JANE R. MURNAGHAN, A.B., *Assistant in Political Science, Semester I.*

ELAINE FRANCE, A.B., *Assistant in the Child Study Institute.*

ANNE HOWELL MARTIN, M.A., *Assistant in Philosophy.*

INDRA K. CARNARIUS, A.B., *Assistant in Political Science, Semester II.*

WILLIAM H. REESE, Ph.D., *Director of Orchestra and Instrumental Ensemble Groups.*

FRITZ JANSCHKA, *Artist in Residence.*

LIBRARY

JANET MARGARET AGNEW, B.L.S., M.A., *Librarian.*

SARAH GEIST, A.B., A.M.L.S., *Circulation and Reference Librarian.*

JANE WALKER, B.S., *Head Cataloguer.*

ETHEL W. WHETSTONE, A.B., A.B. in L.S., *Library Assistant in the Quita Woodward Wing.*

MARGARET M. FARRELL, A.B., B.S. in L.S., *Assistant Cataloguer.*

RENATA VON SCHELIHA, M.S., Ph.D., *Assistant Cataloguer.*

JEAN RICHMOND BARTLE, B.S., B.S. in L.S., *Assistant in the Science Libraries.*

HALLS OF RESIDENCE

CHARLOTTE BRANDON HOWE, M.A., *Director of Halls and Head Warden.*

EVELYN A. SCLUFER, A.B., *Warden of Denbigh Hall.*

JEAN THEIS, M.A., *Warden of the French House, Wyndham.*

YVONNE M. J. GUERS, *Licenciée-ès-Lettres, Senior Resident of the Graduate Center.*

ISABEL HOWLAND WITTE, A.B., *Warden of Merion Hall.*

JANET ELIZABETH GROFF, M.A., *Warden of Pembroke East.*

[1] A. B. to be conferred June, 1950.

Alice Mary Litwinchuk, M.A., *Warden of Pembroke West.*

Pauline R. Utzinger, A.B., *Warden of Radnor Hall.*

Rebecca Cooper Wood, A.B., *Warden of Rhoads North.*

Joan Platt, A.B., *Warden of Rhoads South.*

Louisa Shannon DuBose, M.A., *Warden of Rockefeller Hall.*

Health

The Deans of the College, *ex officio.*

Elizabeth Humeston, M.D., *College Physician.*

Frederic C. Sharpless, M.D., *General Consultant.*

Isaac Sharpless, M.D., *Assistant College Physician.*

Howard B. Smith, M.D., *Consulting Psychiatrist.*

Irene A. Clayton, M.S., *Director of Physical Education.*

Physical Education

Irene A. Clayton, M.S., *Director of Physical Education.*

Ethel M. Grant, *Instructor in Physical Education.*

Janet A. Yeager, *Instructor in Physical Education.*

Emelia-Louise Jepson Kilby, M.A., *Instructor in Physical Education.*

Business Administration

Charlotte Brandon Howe, M.A., *Director of Halls.*

Sandy Lee Hurst, *Assistant to the Treasurer.*

Raymond G. Buckley, *Comptroller.*

Horace T. Smedley, *Superintendent.*

Josephine Falcone McCusker, *Purchasing Agent and Manager of the Business Office.*

Marjorie E. Bacheller, B.S., *Dietitian.*

William J. Burk, *Fire Chief.*

COLLEGE REPRESENTATIVES

The following Alumnae of Bryn Mawr College have been appointed representatives of the College in the cities in which they live and will be glad at any time to answer questions about the College:

Alabama

BIRMINGHAM—Miss Louisa I. Gibson, *President of the Bryn Mawr Club of Birmingham,* Box 379, Route 1, Gardendale.

Arkansas

HOT SPRINGS—Mrs. James H. Chesnutt, *State Chairman of the Alumnæ Association,* 2412 Central Avenue.

California

PASADENA—Miss Esther E. Smith, *President of the Bryn Mawr Club of Southern California,* 611 Drexel Place.

Mrs. Arthur S. Wiley, *Southern California Scholarships Chairman,* 1661 La Cresta Drive.

SAN FRANCISCO—Mrs. Richard L. Sloss, *President of the Bryn Mawr Club of Northern California,* 90 Sea Cliff Avenue.

Mrs. Colis Mitchum, *Northern California Regional Scholarships Chairman,* 2131 Jackson Street.

Mrs. Farwell Hill, Ross.

SAN MARINO—Mrs. C. Pardee Erdman, 1050 Rosalind Road.

Colorado

DENVER—Mrs. Harry E. Bellamy, *State Chairman of the Alumnæ Association,* 1174 Race Street.

Connecticut

NEW HAVEN—Mrs. Charles McLean Andrews, 424 St. Ronan Street.

Mrs. George H. Hamilton, *President of the Bryn Mawr Club of New Haven,* 178 E. Rock Road.

Delaware

WILMINGTON—Mrs. Benjamin F. Schlimme, 4408 Lowell Road.

District of Columbia

WASHINGTON—Mrs. Helen Hill Miller, *Alumnæ Director of Bryn Mawr College,* Room 1098, National Press Building.

Mrs. Frances McAvoy, *President of the Bryn Mawr Club of Washington,* 4212 River Road, N. W.

Miss Leslie Clark, *Washington Regional Scholarships Chairman,* 1312 27th St., N. W.

New Jersey

Far Hills—Mrs. Thomas D. Mumford, *President of the Alumnæ Association.*

Montclair—Mrs. Albert Streichenberg, *President of the Bryn Mawr Club of Montclair,* 111 Stonehouse Rd., Glen Ridge.

Princeton—Mrs. Lawrence Thompson, *President of the Bryn Mawr Club of Princeton,* 26 Edwards Place.

Mrs. Alan W. Carrick—*Regional Scholarships Chairman for Northern New Jersey,* 260 Prospect Avenue.

New Mexico

Santa Fé—Mrs. Wheaton Augur, *Scholarships Chairman of the Alumnæ Association,* P. O. Box 884.

New York

Albany—Mrs. Noel S. Bennett, Jr., *President of the Bryn Mawr Club,* 544 Providence Street.

Hamilton—Mrs. Everett Case, *Director of Bryn Mawr College,* Colgate University.

New York—Mrs. Rustin McIntosh, *Trustee and Director of Bryn Mawr College,* 514 East 87th Street.

Mrs. F. Louis Slade, *Vice-President of the Board of Directors of Bryn Mawr College,* 49 East 67th Street.

Miss Jean T. Palmer, *Alumnæ Director of Bryn Mawr College,* 88 Morningside Drive.

Miss Ruth J. Davy, *President of the Bryn Mawr Club of New York City,* 20 E. 35th Street.

Mrs. Learned Hand, 142 East 65th Street.

Mrs. Theodore Smith-Miller, *Regional Scholarships Chairman for New York,* 235 E. 72nd Street.

Mrs. Thomas Thacher, *District Councillor of the Alumnæ Association,* 443 East 84th Street.

Pelham Manor—Mrs. Peter A. H. Voorhis, *Chairman of the Westchester and Fairfield Group of Bryn Mawr Alumnæ,* 416 Fowler Avenue.

Rochester—Mrs. Richard C. Fowler, *Chairman of the Alumnæ Group of Rochester,* 3848 East Avenue.

North Carolina

Asheville—Mrs. George M. Stephens, *President of the Bryn Mawr Club of Asheville,* 4 Hilltop Road, Biltmore Forest.

Durham—Mrs. David St. Pierre DuBose, *District Councillor of the Alumnæ Association,* P. O. Box 310.

Mrs. Macdonald Dick, *State Chairman of the Alumnæ Association,* Box 3813, Duke University.

Ohio

CINCINNATI—Miss Caroline R. Shine, *President of the Bryn Mawr Club of Cincinnati,* 250 Greendale Avenue.

Mrs. Martin Low, *District Councillor of the Alumnæ Association,* Box 36, Rte. 5.

Mrs. Richard Allen, *Regional Scholarships Chairman for District IV,* Covington, Ky.

CLEVELAND—Mrs. John Grant, Jr., *President of the Bryn Mawr Club of Cleveland,* 1663 Richmond, South Euclid 21.

COLUMBUS—Mrs. Thomas H. Hislop, *Chairman of the Columbus Alumnæ Group,* 31 N. Waverly Road.

Oklahoma

TULSA—Mrs. Allmand M. Blow, *Regional Scholarships Chairman for Oklahoma,* 2101 East 25th Place.

Oregon

PORTLAND—Mrs. Jan deGraaff, *Regional Scholarships Chairman for Oregon,* 01900 S. W. Palatine Hill Road.

Pennsylvania

BRYN MAWR—Mrs. George McNeely, Jr., *Regional Scholarships Chairman for Eastern Pennsylvania, Southern New Jersey and Delaware,* Fishers Road.

PHILADELPHIA—Miss Adelaide W. Neall, *Director of Bryn Mawr College,* 116 W. Evergreen Avenue, Chestnut Hill.

Mrs. E. Chalmers Sweeney, *President of the Bryn Mawr Club of Philadelphia,* P.O. Box 551, Media.

Mrs. Samuel H. Paul, *Assistant to the President of Bryn Mawr College,* 540 East Graver's Lane, Chestnut Hill.

PITTSBURGH—Mrs. H. F. Byrne, *President of the Bryn Mawr Club of Pittsburgh,* 147 Jefferson Drive.

Miss Sara F. Ellis, *Chairman, Western Pennsylvania Regional Scholarships Committee,* 340 South Highland Avenue.

Rhode Island

PROVIDENCE—Mrs. Edward G. Lund, *President of the Bryn Mawr Club of Providence,* Providence Country Day School, East Providence 4.

South Carolina

COLUMBIA—Miss Mary K. Boyd, *State Chairman of the Alumnæ Association,* 1708 Green Street.

Tennessee

Chattanooga—Mrs. Glenn R. Kleinau, *President of the Chattanooga-Sewanee Bryn Mawr Club,* 2006 McCallie Avenue.

Nashville—Miss Martha J. Lindsey, *President of the Nashville Bryn Mawr Club and State Chairman of the Alumnæ Association,* 201 24th Avenue, South.

Texas

El Paso—Miss Mary S. Goggin, *District Councillor of the Alumnæ Association and Regional Scholarships Chairman for District VI,* Rt. 2, Box 332.

Waco—Mrs. A. Foster Smith, *State Chairman of the Alumnæ Association,* P. O. Box 337, B. U. Station.

Vermont

Plainfield—Mrs. Harold E. Townsend, *Alumnæ Director of Bryn Mawr College,* "Allenwood," Plainfield.

Virginia

Alexandria—Mrs. Alexander C. Zabriskie, *State Chairman of the Alumnæ Association,* Seminary Hill.

Richmond—Miss Mary W. Scott, *President of the Bryn Mawr Club of Richmond,* 6420 Roselawn Road.

Mrs. William N. Beverley, *Regional Scholarships Representative for Richmond,* 1831 Monument Avenue.

Washington

Seattle—Mrs. Wetherill B. Collins, *President of the Bryn Mawr Club of Seattle,* 1128 36th Ave., N.

Mrs. Donald T. Hall, *District Councillor of the Alumnæ Association and Regional Scholarships Chairman for Washington,* 315 Erie Avenue.

Wisconsin

Madison—Mrs. Moses S. Slaughter, 633 North Francis Street.

England

Mrs. Alys Russell, 25 Wellington Square, Chelsea, London, S.W. 3.

ADMISSION

Bryn Mawr College is interested in candidates of varied interests and talents who come from a wide range of schools and regions in the United States and abroad. The essentials for admission are character and ability, the desire for a liberal education, and sound training in school.

In its consideration of candidates the College looks for evidence of ability in the student's high school record, her rank in class, and her College Board tests and asks her high school principal for an estimate of her character, maturity, and readiness for college. The Director of Admissions welcomes correspondence and interviews with candidates, their parents, and school advisers. The College reserves the right in all cases to determine which candidates shall be admitted.

Program of Secondary School Studies

Candidates are expected to complete a four-year secondary school course which includes work in English, foreign languages, mathematics, history, and science. The first three of these subjects should be carried through most of the school course.

The best foundation for the work of the College is a program of four years of English grammar, composition, and literature, two and a half or three years of mathematics, including Plane Geometry, Elementary and Intermediate Algebra, and in languages three years of Latin (or two of Greek), and three of a modern foreign language. At least one course in history and one in science (Biology, Chemistry, or Physics) should also be included. Further work in the subjects already mentioned or a year's work in History of Art, History of Music, or Biblical Literature should make a recommended total of 16 credits.

The College recognizes the wide differences among the curricula of different schools and the consequent variations among students' programs. Candidates of ability whose plans of study differ from those suggested will always be given careful consideration provided their programs show continuity in the study of basic subjects. Candidates are advised to read the section on requirements for the degree of Bachelor of Arts at Bryn Mawr.

Application for Admission

Application forms may be obtained from the Director of Admissions, Bryn Mawr College, Bryn Mawr, Penna. A fee of $10.00 must accompany each application and is not refunded if the candidate later withdraws her name or is not admitted. Application does not insure admission. Students are urged to register for admission early in their high school course so that their programs may be approved and their names added to the College mailing list. Admitted candidates are assigned rooms in order of date of registration.

ENTRANCE TESTS

The Scholastic Aptitude Test and three Achievement Tests of the College Entrance Examination Board are required of all candidates. Candidates are advised to offer all tests in March of the senior year in secondary school, but may if they prefer take the Scholastic Aptitude Test in January of that year.

The Scholastic Aptitude Test (3 hours) contains a Verbal and a Mathematical Section.

The Achievement Tests (one hour each) are thirteen in number: English, Latin, French, German, Greek, Italian, Spanish, Biology, Chemistry, Physics, Social Studies, Intermediate Mathematics, and Advanced Mathematics. Bryn Mawr candidates should take three Achievement Tests: English, a foreign language; and either Social Studies, one of the sciences, or Mathematics.

The Scholastic Aptitude and Achievement Tests are to be taken without special preparation. They are so constructed that ample opportunity is allowed for candidates to secure good scores on the basis of work well done during the school year.

APPLICATION FOR THE COLLEGE ENTRANCE EXAMINATION BOARD TESTS

Candidates should make application by mail to the College Entrance Examination Board. Students who wish to take the examinations in any one of the following western states, territories, and Pacific areas: Arizona, California, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, Utah, Washington, Wyoming, Territory of Alaska, Territory of Hawaii, Province of Alberta, Province of British Columbia, Republic of Mexico, Australia, and all Pacific islands including Formosa and Japan, should address their inquiries and send their applications to

College Entrance Examination Board
P. O. Box 9896
Los Feliz Station, Los Angeles 27, California.

All others should write to

College Entrance Examination Board
P. O. Box 592
Princeton, New Jersey.

Application forms will be sent to any teacher or candidate upon request. When ordering the forms, candidates should state whether they wish forms for the December, January, March, May or August tests. Applications for any particular series will not be available until after the preceding series has been held. A copy of the Bulletin of Information is sent to every candidate requesting an application blank.

There is a fee of twelve dollars for registration for both the Scholastic Aptitude Test and the Achievement Tests, of six dollars for the Scholastic Aptitude Test alone, and of eight dollars for the Achieve-

ment Test alone. This fee must accompany each application and may be remitted by postal or express money order or by check. Late applications will be subject to a penalty fee of three dollars in addition to the regular fee.

All applications and fees should reach the office of the Board not later than the dates specified in the following schedule:

	Dec. 2 1950	*Jan. 13 1951*	*Mar. 10 1951*	*May 19 1951*	*Aug. 15 1951*
For examination centers located in the United States, Canada, Mexico, or the West Indies....	Nov. 11	Dec. 23 1950	Feb. 17	April 28	July 25
Outside the United States, Canada, Mexico, or the West Indies	Oct. 14	Nov. 25 1950	Jan. 20	Mar. 31	June 27

Under no circumstances will an application be accepted if it is received at the Board office later than one week prior to the date of the examination. No candidate will be permitted to register with the supervisor of an examination center at any time. Only properly registered candidates, holding tickets of admission to the centers at which they present themselves, will be admitted to the tests.

Admission of Transfer Students and of Foreign Students

A few students are admitted each year on transfer from American and foreign colleges and universities approved by the College. To be admitted on transfer a student must have had an excellent school record and grades of A and B in her college courses. In addition to her school and college transcripts she must send in (1) a letter of recommendation from an officer of the college; (2) a current catalogue in which she has marked the courses taken. Candidates for advanced standing who have previously taken the Scholastic Aptitude and Achievement Tests of the College Entrance Examination Board should request the Board to send a report of these tests to the Office of Admissions, Bryn Mawr College. Transfer candidates who have not previously taken these tests are advised to take the Intermediate Tests for College students, which will be offered by the Board at centers throughout the nation. Information concerning these tests and applications to take them may be obtained from the Educational Testing Service, P.O. Box 592, Princeton, New Jersey, or P.O. Box 9896, Los Feliz Station, Los Angeles 27, California. All candidates should make certain that their completed applications are received by Educational Testing Service no later than April 20, 1951. Foreign students may substitute for the College Board tests evidence that they have been admitted to universities in their own countries. Those for whom English is not the native language must in addition present credentials attesting their proficiency in English.

No credit will be given for work done elsewhere until the student has successfully completed a year's work at Bryn Mawr. To qualify for the A.B. degree transfer students must have studied at Bryn Mawr for at least two years. Students of other colleges or universities who have outstanding conditions, who have otherwise failed to meet prescribed standards of academic work, or who have been put on probation or suspended or excluded, will under no circumstances be admitted to Bryn Mawr College.

"HEARERS"

Women over twenty-five years of age are admitted as "hearers" to undergraduate courses without a matriculation examination, but they must furnish proof that they have at some time pursued the studies required for matriculation. Hearers are clearly differentiated from regularly matriculated students and must obtain permission from each instructor to attend classes, laboratories, and examinations. They are not eligible for degrees and may receive only such certificates of collegiate study as their instructors see fit to give. They are charged the full tuition fee. No other special students are admitted to undergraduate courses at Bryn Mawr College.

RESIDENCE AND EXPENSES

Residence

Halls of Residence. There are nine undergraduate halls of residence: Denbigh Hall, Merion Hall, Pembroke Hall East and West, James E. Rhoads Hall North and South, Rockefeller Hall, Wyndham, and Radnor. A resident warden is in charge of each hall. Each hall has its separate kitchen and dining-room except Pembroke and Rhoads, each of which has a common kitchen and dining-room for the two wings. Each room is furnished with a bed, bureau, table-desk, straight chair, desk chair, and bookcase, but students supply their own rugs, curtains, and towels.

Language Houses. There are three "language houses," in which students get practice in spoken French, German, and Spanish: the French House, with accommodations for eighteen students, occupies Wyndham; the German House and the Spanish House usually occupy a floor of one of the larger dormitories. Each house has its dining-room or alcove where breakfast and dinner are served; but lunch is provided in the larger halls of residence with the other students. Students living in these houses are under the supervision of the French, German and Spanish departments respectively, and applications to live in the houses must be approved by the department concerned. For residence in the language houses there is an additional charge of $50.

Application for Residence. A student in residence, who wishes to apply for a room for the following year, must make an application for a room and accompany it with an application fee of $10. This fee will be credited against the residence charge if the room assigned is occupied by the applicant; it will not be refunded in any circumstances. Each student enrolled for the following year must make an additional deposit of $40 not later than June first. This deposit will also be credited against the residence charge. It will be returned if the student withdraws from College before July first; it will not be returned if she withdraws later than July first.

New students applying for residence will be billed $50 early in the summer. This $50 will be credited against the residence charge, but it will not be returned in case of withdrawal after July first.

An applicant who, after having reserved a room, fails to cancel her reservation by September first (even though she does not occupy the room at all or vacates it during the college year) prevents some other student from obtaining accommodation and consequently admission to the College. Therefore, unless formal notice of withdrawal of application for the ensuing academic year is received by the Dean of the College by September first, the applicant is responsible for the residence charge (based upon the room assigned to

her) for the whole year, or if a definite room assignment has not been made, the applicant is responsible for the minimum residence charge of $800; subject to an allowance for the cost of food if absent for more than six consecutive weeks, and a further allowance if the College re-rents the room to a student not previously resident. The applicant is not entitled to dispose of the room that she leaves vacant.

Non-Resident Students. For students living with their families in Philadelphia and the vicinity there are club-rooms in Goodhart Hall and in the Library, and such students have the use of the large Common Room in Goodhart Hall. Non-resident students are liable in whole or in part for all undergraduate fees except those for residence in the halls. The non-resident infirmary fee of $5 entitles them to medical examination and consultation with the College Physician.

Expenses: Tuition and Residence

Tuition. The tuition fee for all undergraduate students, resident and non-resident, and for hearers is $650 a year. This fee is payable on receipt of bill in October. No reduction or refund of the tuition fee can be made on account of absence, illness, dismissal, or for any other reason.

The average cost of teaching each undergraduate student is over $1000 a year. The difference must be met from the endowment funds of the College and from private gifts. Voluntary contributions from parents able and willing to pay the additional sum or part of it, will be used for scholarships for students unable to pay the regular tuition fee.

Residence. The charge for residence is $800, $900, or $1000 according to the size and location of the student's room or rooms. The residence fees are payable as follows:

$800 — payable	$500 in October,	$300 in February
900 — payable	600 in October,	300 in February
1000 — payable	700 in October,	300 in February

The College makes every attempt to keep the residence charge low. The present rates are possible only because students assume the responsibility for keeping their rooms clean and orderly, thus permitting a reduction in service.

Reduction of Charges for Absence from College. In case of illness or withdrawal from the College for a period of six consecutive weeks or longer there will be a reduction in the charge for residence (representing the reduced expense to the College for food), provided written notice is given to the Dean of the College and the Comptroller at the time of withdrawal, or, in the case of illness at home, as soon as possible. Verbal notice to wardens or instructors is not sufficient to secure this reduction.

Residence during Vacations. A student who wishes to remain at the College during the Christmas and spring vacations should apply to the warden of her hall for information in regard to rooms and rates. During the Christmas vacation the halls of residence are closed but individual students may make arrangements for accommodations near the college campus; these arrangements are subject to the approval of the College. During the spring vacation one hall of residence is kept open and undergraduate students may occupy rooms in it at a fixed rate. Students remaining during any part of the spring vacation in Bryn Mawr, or in the immediate neighborhood, not in their own homes, are required to take advantage of the arrangements made by the College and will be charged according to the length of the stay. A student not going to her own home must submit her plan to the Dean for approval and register her address with her warden.

Summary of Major Expenses:

For resident students, tuition and residence: $1450, $1550, or $1650 according to the type of accommodation.

For non-resident students, tuition: $650.

MINOR FEES AND CHARGES

Infirmary fee:

For non-resident students $5.00

Laboratory courses (or, in geology, field work): for materials and apparatus:

One course of less than 4 hours a week.....	$ 7.50	a semester
One course of 4 or more hours a week.....	15.00	
Two courses of 4 or more hours a week.....	25.00	
Three courses of 4 or more hours a week...	30.00	
Residence in a language house.....	50.00	a year
Graduation fee (payable in the senior year)...	20.00	
Health Insurance (Students' Reimbursement Plan), optional	15.00	a year

Bills will be rendered by the Comptroller within the first few days of each semester. Students whose fees and charges are not paid before November first in the first semester and before March first in the second are not permitted to continue in residence or in attendance on their classes.

THE TUITION PLAN

Since some parents prefer to pay tuition and other college fees in equal monthly instalments during the college year, the College offers this convenience under "The Tuition Plan, Inc., New York City." The cost is four per cent greater than when payment is made in cash. If the plan of payment in equal monthly instalments is preferred, notification should be sent to the Comptroller of the College by September fifteenth. The Tuition Plan contract accompanied by the College bill will be forwarded by the Tuition Plan to parent or guardian between October first and fifteenth.

GENERAL REGULATIONS

Residence in the college buildings is required of all undergraduate students except those who live with their families in Philadelphia or the vicinity. A student planning to marry while in college must consult the Dean before the marriage takes place if she wishes to remain in college.

Every student must register with the Comptroller at the beginning of each college year. This regulation must be complied with before 8.45 A.M. of the first day of classes.

Freshmen are asked to come into residence approximately four days before the College is opened to all upperclassmen. They are received by the wardens of the various halls and by a committee of upperclassmen. The President and the Dean of the College wish to interview new students during these first few days. The Dean of Freshmen must see all freshmen in the course of these four days to advise them on their registration. During this time also the new students visit the library, take placement tests and physical examination, and become acquainted with the College.

The Dean of the College is academic adviser to all undergraduates of the three upper classes. Upperclassmen will also consult with the heads of the departments in which they elect to do their major work. Students are urged to plan their work with reference to the schedule of classes and laboratories in order to avoid any conflict of hours which might prevent them from electing courses that they need.

The Students' Association for Self-Government, of which all undergraduates are members, has jurisdiction over the conduct of the students in all matters except those which are academic or which affect living arrangements.

The College reserves the right to exclude at any time any student whose conduct or academic work is unsatisfactory. In such cases the fees due or already paid to the College will be neither refunded nor remitted in whole or in part.

Integrity of all work is demanded of every student. In an examination or quiz no student shall hold any communication with another student or give or receive any assistance. Printed rules governing written work are handed to all entering students; a signed certificate that they have read and understood them is required. Any infraction of these rules or any action contrary to their spirit constitutes an offense.

Regular attendance at classes is expected. Responsibility for attendance is solely the student's, and failure to meet the requirements may be taken into account in grading the student's work.

A Student Cut Committee is responsible for taking attendance and keeping attendance records. Copies of all individual cut records are sent to the Dean's Office regularly, and records of cuts taken are

posted twice every month in the residence halls for the information of students and to afford them the opportunity to report errors. Cut records for each class are sent to the instructor.

A student who fails to attend a course regularly will be warned in writing by the Dean. If she continues to cut after the warning, she will be dropped from the course and reported to the Senate. A student who is dropped from two courses will be suspended from College, by rules of the Senate, for the remainder of the semester.

No specific number of unexcused absences constitutes overcutting. When the quality of a student's work is affected in any way by absence from class, she is overcutting and will be warned. Each student must be the judge of her own situation. She must understand that the system is based on the assumption that she is expected to meet all academic appointments.

Absences for health or other urgent reasons are excused, but any work missed must be made up. After a brief absence the student should consult her instructor about making up any work so missed. After a prolonged absence the Dean must be consulted as well as the instructor. If it seems probable to the Dean that a student's work may be seriously handicapped by the length of her absence, she may be required to drop one or more courses. In general, any student absent for more than twenty-five consecutive class days will be required to drop a course.

HEALTH

Every entering student is required to file at the office of the Director of Admissions, on a blank to be secured from the College, a report of a recent medical examination, filled out and signed by a physician.

The blank includes a space for a physician's certificate stating that the student has been vaccinated against smallpox during the year preceding her entrance to College and that she exhibited a typical or immune reaction to this vaccination. Students who do not certify to vaccination at entrance will be vaccinated by the College Physician. A fee of five dollars will be charged.

There is required on the medical examination blank a statement of immunization against tetanus by toxoid and of evidence of a negative Schick test. If these have not been done the student should arrange to have these immunizations completed before admission to College. A statement to that effect signed by the examining physician must be presented at the time of entrance. Failing this the entering student will be given the required injections at the time of her admission and charged accordingly.

Every student must file a certificate stating that her eyes have been examined by an oculist within six months before entrance and again before the beginning of her junior year. Failure to comply with the above rule entails an examination by one of the college consultants for which the student will be charged as a private patient by the ophthalmologist who makes the examination.

At the beginning of each year every student has a chest X-ray film. These 70 mm. photofluorographs are made at a fee of about two dollars each. If necessary, the plate is checked with stereoscopic films, the fee for which is five dollars. Any student who has had a chest X-ray within four months preceding the opening of any year will be excused from this procedure, provided a complete report has been filed with the College before September fifteenth of the year in question.

Every undergraduate is examined each year by the Physician of the College and at intervals by the Director of Physical Education with reference to physical development and general health. Exceptions are made for those sophomores whose health records for the whole previous year have been passed by the College Physician. At the time of the examination each junior will be given a booster injection of tetanus toxoid for which a nominal fee will be charged. All students are urged to take some out-of-door exercise in addition to their required work in Physical Education. Any student who at the time of the examination or at any time during the year is not in good health is placed on the health supervision list. She is required to follow the special regime prescribed and her extra-curricular activities may be limited.

The College Physician is in her office in the college infirmary daily and may be consulted by the students without charge. Specialists practising in Bryn Mawr and Philadelphia serve as consulting physicians to the College. The fees of the consulting physicians and surgeons and other specialists recommended by the College will be furnished on request. The infirmary is open when college is in session and during the spring vacation. It is closed during the Christmas vacation.

The residence fee paid by each resident student entitles her to free consultation with the college physicians and to treatment in the college dispensary. It also entitles her to be cared for in the infirmary for seven days (not necessarily consecutive) during the year and to attendance by the college physicians during this time and to nursing, provided her illness is not contagious and is not sufficiently serious to require the services of a special nurse. The fee for each day in the infirmary after the seven-day period is six dollars. In case of contagious disease the student must meet or share the expense of special nursing.

All communications from parents and guardians, outside physicians and others, concerning the health of students, should be addressed to the Dean of the College. Any student who becomes ill when absent from the College is asked to notify the Dean of the College immediately and to present a signed statement from her physician when she returns.

The College reserves the right, if the parents or guardians cannot be reached, to make decisions concerning operations or other matters of health.

The College has arranged with the Connecticut General Life Insurance Company of Hartford, Connecticut, for health insurance, known as the Students' Reimbursement Plan. To the students who subscribe under this plan individual policies are issued which provide for reimbursement, within specified limits, for the medical, surgical, and hospitalization expenses in cases of operation and prolonged illness. The cost of such a policy is fifteen dollars a year and includes protection during all vacations.

THE LIBRARY

The M. Carey Thomas Library now contains over 210,000 volumes and 14,000 pamphlets. The collection supplies most of the needs of the faculty and students and includes material in the science libraries in Park Hall and Dalton Hall as well as the small collection of books in the halls of residence and in the infirmary.

The open shelf system provides the maximum of free access to the stacks so that almost all books except those in the Rare Book Room are directly available to students.

In the library building there are fourteen seminar rooms, a large Reading Room with individual desks for 138 students, a Reference Room, Periodical Room, Reserve Book Room, and the Quita Woodward Memorial Room with over 1300 titles of the works of standard authors and contemporary writers arranged for leisure-time reading.

The West Wing of the library, built in 1940, provides shelf space for about one-third of the book collection. Forty-eight carrels are provided in these stacks for graduate and honors students.

Over 1,000 periodicals are currently received and the college library is a depository for the Army Map Service of the United States Army. Over 25,000 maps in duplicate are available in Park Hall.

In the main catalogue author cards for books in the collection of nearby Haverford College are filed, facilitating the use of the books in its library. Catalogue cards representing the authors of books pertaining to Russia and certain significant subjects are filed for Swarthmore College as well as for Haverford.

The Library is open for study from 8 A.M. until 10 P.M. every day of the week and the Reserve Book Room from 9 A.M. until 10 P.M. on Sunday and the stacks from 2 P.M. until 10 P.M.

The libraries in Philadelphia are generous in making their large resources available to students. The Philadelphia Bibliographical Centre and Union Library Catalogue located at the University of Pennsylvania make it possible to locate easily the material available in approximately one hundred and sixty libraries in the Philadelphia metropolitan area.

CURRICULUM

Major courses of study are offered in Biology, Chemistry, Classical Archæology, Economics, English, French, Geology, German, Greek, History, History of Art, Italian, Latin, Mathematics, Philosophy, Physics, Political Science, Psychology, Russian, Sociology and Anthropology, and Spanish. Elective courses are offered in Education, the History of Religion, and Music, as well as in the major departments.

Every candidate for the degree of Bachelor of Arts chooses in the spring of her sophomore year a major subject of study. This is combined with work in allied subjects. The object of this system is to give to the student the thorough training in method and the familiarity with the literature of a subject which constitute the necessary foundation for work of an advanced character. The discipline thus provided by continuity of training is an advantage in any field of activity, and for the student who intends to pursue graduate study and research in her chosen field the groundwork is laid.

Candidates for the degree must include in their programs certain courses considered important for a liberal education and required of everyone: Freshman English Composition, the History of Philosophic Thought, one course in one of the sciences, and one course in literature. Candidates who are members of the class of 1953 or following classes must also include one course from the following group: Economics, History, Political Science, or Sociology and Anthropology.

Fourteen and one-half courses comprise the undergraduate curriculum. (For definition of course, see p. 42.) For the first three years the usual course load is four, or in special cases four and one-half courses. During the senior year, two and a half or three courses are usually taken, together with the unit of work done in preparation for the final examinations.

Preparation for a Final Examination in the major field requires the student to review and correlate the material covered in her major and allied courses, and to carry on independent reading selected to round out her knowledge of her field as a whole, thus giving her a deeper insight into fundamental principles and general concepts. In part of the examination emphasis is laid upon a broad general knowledge of the subject. The student is expected to devote approximately ten hours a week for one year to the preparation for this examination. Most of this preparation is done in the senior year but part may be done, on the advice of the department, during the preceding summer or in the junior year. One-third of this preparation may be devoted to an allied subject and one part of the examination may be set by an allied department.

Honors work is of a more advanced character than that done in the regular courses and requires greater initiative and power of organization than is usually expected of undergraduate students. No student may elect to work for honors without the recommendation of her department and the approval of the Dean. Reports giving to the student an opportunity to test her ability in the selection and interpretation of source-material are usually required. These special studies may be carried on in connection with an advanced course or they may be planned for individual students. Such work may be undertaken only after the completion of two years of study in the major subject.

Students who have completed the major courses of study in Biology or in Chemistry fulfill the subject requirements for admission to the leading medical schools of the United States. The minimal premedical requirements are met by completing the following courses: Biology 101, Biology 201, Chemistry 101, Chemistry 202, Mathematics 101, Physics 101. Additional work in Biology and Chemistry is recommended, and can be obtained by completing the major subject requirements in either department with allied work in the one not chosen as the major.

The Plan for Co-ordination in the Teaching of the Sciences offers special training in subjects which fall between two sciences. A gift from the Carnegie Corporation enables the College to award scholarships to qualified students in such fields as biophysics, geophysics, and geochemistry. As such work demands a thorough knowledge of the fundamentals of at least two sciences, it is often impossible for students to include all the desired courses in four undergraduate years; these scholarships are intended primarily to provide for an additional year (mainly in the Undergraduate School) so that the student may be ready, at the end of five years, to begin graduate work in her chosen correlated fields. Students entering Bryn Mawr who wish to work in science should consider the advantages of this plan and should consult with the heads of the departments in which their special interests lie as early in their college career as possible. In addition to the sum allotted to scholarships part of the annual income from the Carnegie fund is set aside for special courses in related subjects. These courses vary from year to year with the needs and interests of the students in science.

REQUIREMENTS FOR THE DEGREE OF BACHELOR OF ARTS

Every candidate for the degree of Bachelor of Arts, unless she is a transfer student or is permitted to accelerate her program must attend Bryn Mawr College for a period of four years. Students admitted on transfer from other colleges must study at Bryn Mawr for at least two years. The minimum number of courses for the A.B. degree is fourteen and one-half. A course is normally one-quarter of a student's working time for one year, or approximately ten hours of work a week, including class meetings. When it is necessary to express *courses* in terms of *semester hours,* one course is considered equivalent to eight semester hours. Numerical grades on the scale of 100 are given in all courses counting for the degree. The student must attain a grade of 70 or above in at least half of these courses and a grade of at least 60 in the remainder. In the courses in her major subject she must maintain an average of at least 70, and should she receive a grade below 70 in a Second Year or Advanced course in her major subject she may be required to change her major.

Students who are members of the classes of 1951 and 1952 must meet the requirements of curriculum Plan I. Students who are members of the class of 1953 and all following classes must meet the requirements of curriculum Plan II.

Plan I

For the Classes of 1951 and 1952

Required Courses:

(1) *English Composition.* This course is supplemented by work in English Speech, consisting of practice speaking and individual conferences which must be completed before the end of the Sophomore year.

(2) *Literature.* English, Greek, Latin, or the English Bible. A student majoring in Greek must take a course in Latin or English approved by the Department of Greek. A student majoring in Latin must take a course in Greek or English approved by the Department of Latin. A student majoring in English must take a course in Greek or Latin approved by the Department of English.

(3) *Science.* Biology, Chemistry, Geology, or Physics. A student majoring in one of the sciences must substitute for this requirement a course in Archæology, History, History of Art, Economics, Music, Political Science, or Psychology.

(4) *Philosophy.* The History of Philosophic Thought. A student majoring in Philosophy must substitute for this requirement a course in Elementary Greek, Psychology or Mathematics.

Plan II

For the Class of 1953 and Following

Required Courses:

(1) *English Composition.* This course is supplemented by work in English Speech, consisting of practice speaking and individual conferences which must be completed before the end of the Sophomore year.

(2) *Literature.* English, Greek, Latin, or the English Bible.

(3) *Science.* Biology, Chemistry, Geology, or Physics.

(4) *Philosophy.* The History of Philosophic Thought.

(5) *Social Science.* Economics, History, Political Science, or Sociology and Anthropology.

Requirements for Students Following both Plan I and Plan II

Major Subject and Allied Subjects: This consists of six courses and preparation for a final examination. A student must take at least three courses in her major subject (many departments require four): one First Year course; one or two Second Year courses; one Advanced course. She must take enough courses in allied subjects to bring the total to six. *A Final Examination in the Major Field* must be taken by all candidates for the degree.

Free Elective Courses: Approximately four courses are chosen freely by the student, the only limitations being the prerequisites of the courses selected.

Physical Education: During the first two years in college all students are required to take part in work organized by the Department of Physical Education. No student will be allowed to register for junior year who has not completed the requirement. Special exception may be granted by the Dean of the College in cases of prolonged illness or for transfer students.

Hygiene: All students are required to attend a Hygiene discussion group in the freshman year and to take at the beginning of their second year an examination based upon reading assigned by the College Physician. Students will not be allowed to register for the senior year unless they have satisfactorily passed the examination in Hygiene. This work does not count as any fraction of the total number of courses required for the degree.

Reading Knowledge of Two Foreign Languages: Students following Plan I are generally advised to offer French and German since a knowledge of these languages is useful in the work of all departments; but for French or German (not both) a student may substitute Spanish, Italian, Russian, or some other European

language if her choice is approved by the department in which she does her major work. Students following Plan II must offer for examination two languages which do not come from the same linguistic group. Exceptions may be made by the Dean on the recommendation of the major department.

Language examinations may be taken in any autumn or spring after entrance, up to the beginning of the senior year. No student may take a second examination in the same language in the same academic year unless she satisfies the Dean of the College and the Chairman of the Language Examination Committee that she has made a serious effort to prepare for it. A senior who fails either examination or is conditioned in both in the autumn will not receive her degree the following June. If having passed one examination she is conditioned in the other, she may take a second examination in January. Credit towards the degree is not given to seniors for any course taken in preparation for this examination.

The Degree of Bachelor of Arts is conferred upon students who have completed the courses of study outlined above. The degree is awarded *cum laude, magna cum laude,* and *summa cum laude* to students whose numerical average grade on all their courses is, respectively, 80-84, 85-89, and 90 or above. To students who have completed honors work in their major subject the degree is awarded with honors in that subject.

CREDIT FOR WORK TAKEN ELSEWHERE

Advanced Standing. In order to free more time for studies of a more advanced character, students are permitted to take examinations in certain subjects without attending classes in college. These subjects are elementary Greek, French, German, Italian, Spanish, and Russian. Examinations for advanced standing must be taken not later than the beginning of the junior year unless the student's major department recommends a later date. Students wishing to take examinations for advanced standing in subjects other than those listed above must present requests to the Dean of the College who will consult with the Committee on the Curriculum and with the departments concerned.

Co-operation with Neighboring Institutions. Bryn Mawr College co-operates with the University of Pennsylvania, Haverford College, and Swarthmore College in a plan which, while preserving the individual qualities and complete autonomy of each institution, provides an efficient and economical service by co-ordinating the facilities of the four institutions. Full time students of any of the four may, with the approval of the Dean, take courses at any of the other three without additional expense. Full academic credit is granted for such work by the institution in which the student is enrolled.

Summer School Work. Students desirous of supplementing their work at Bryn Mawr by taking courses in summer school are encouraged to do so. No credit will ever be given for work in which the student has received a grade below C. Students will not, however, obtain academic credit at Bryn Mawr for work done in summer school except for the following reasons: 1, if the credit is needed for the Bryn Mawr A.B. degree (e.g., to make up credit lost through illness or absence from college); 2, if the course taken is one which is recommended by the major department as a part of the plan of major work. A student who needs to secure credit for work to be done in summer school should first consult the Dean and secure her preliminary written approval of the plan, after which the plan must be approved in detail by the department or departments concerned. Credit given for such work will be calculated on an hour-for-hour basis.

COURSES OF STUDY

1950-51

Credit is generally given in full-year courses only when the work of both semesters is completed. In certain courses, however, credit may be given for one semester's work, but only with the permission of the Dean of the College and the department concerned. A few courses carry additional credit, indicated by the number "1½". Pre-requisites in other departments than the major course of study are indicated in the description of the individual courses.

KEY TO COURSE NUMBERS AND SYMBOLS

1, 2, etc. elementary courses and required courses which are not part of the major work.
101, 102, etc. indicate first year courses in major work.
201, 202, etc. indicate second year courses in major work.
301, 302, etc. indicate advanced courses in major work.
* indicates elective courses, numbered in accordance with the year in which they are generally taken, e.g. 201*.
"a" the letter "a", following a number, indicates a half-course given in the first semester.
"b" the letter "b", following a number, indicates a half-course given in the second semester.
"c" the letter "c", following a number, indicates a half-course given two hours a week throughout the year.
[] Square brackets enclosing the titles of courses indicate that, though regular parts of the program, they are not given in the current year.

Biology

PROFESSOR: MARY SUMMERFIELD GARDINER, Ph.D.
ASSOCIATE PROFESSORS: L. JOE BERRY, Ph.D.
JANE MARION OPPENHEIMER, Ph.D.
DEMONSTRATORS: JOAN FULTON WHITE, A.B.
ANNA RUTH BRUMMETT, M.A.
RYDA DWARYS [1]
Appointment to be announced

Students majoring in Biology are required to take the first year course, both second year courses, and one advanced course; and, as allied subjects, General Chemistry and Elementary Organic Chemistry. The following courses are strongly recommended and are required for admission to most medical schools: Physics 101, Math-

[1] A.B. to be conferred June, 1950.

ematics 101, and Chemistry 201. The course in Botany at Haverford College is open to Bryn Mawr students who have had Biology 101, and may be counted as elective work.

Allied subjects: Chemistry, Physics, and certain others with the approval of the department.

101. *General Biology:* Dr. Gardiner and Dr. Oppenheimer.
An introduction to biological problems and theories through a study of typical plants and animals. About one fifth of the year is spent on the embryology of the frog and the chick. Three lectures, four hours laboratory a week.

201. *Comparative Zoology:* Dr. Gardiner and Dr. Oppenheimer.
A study of the comparative anatomy of invertebrates and vertebrates. Three lectures, four hours laboratory a week.

202. *General Physiology:* Dr. Berry and instructor to be announced.
A comprehensive survey of general and vertebrate physiology. Three lectures, five hours laboratory a week. Prerequisites: Chemistry 101, Chemistry 202 (This may be taken concurrently).

301. *Microscopic Anatomy:* Dr. Gardiner.

[302. *Theories of Heredity:* Dr. Gardiner.]
Two lectures, six hours (minimum) laboratory a week.

303. *Embryology:* Dr. Oppenheimer.
Embryology of the vertebrates with consideration of theoretical questions of embryological interest. Two lectures, six hours (minimum) laboratory a week.

304. *Physiology of Micro-organisms:* Dr. Berry and instructor to be announced.

305. *Biochemistry:* Instructor to be announced.
The chemistry of living organisms with special emphasis on the chemical principles in physiological phenomena. Two lectures, six hours (minimum) laboratory a week. Physics 101 is recommended as preparation for this course.

[306. *Biophysics:* Dr. Berry.]

[307. *The Development of Scientific Thought:* Dr. Wyckoff, Dr. Oppenheimer.]
(Interdepartmental Course 203. See page 82.)

308. *Fundamentals of Systematics.*
Offered at the Academy of Natural Sciences. One hour of lecture; four hours laboratory a week (Saturday mornings). A survey of the scope and methods of taxonomy, with a consideration of the mechanisms of speciation.

FINAL EXAMINATION

The final examination for students majoring in biology is in three parts:

1. General Biology (required of all students).
2. Two examinations offered from the following group (except in the case of Honors students as provided for in the General Plan):

a. Microscopic Anatomy
b. Embryology
c. Genetics
d. Bacteriology
e. Physiology
Biochemistry
Introductory Biophysics
f. History of Biology

3. As an alternate, the student may substitute for one of the subjects under Group 2 an examination in Chemistry or Physics covering at least two years of work in the subject.

HONORS WORK

Honors work in any of the advanced fields is offered to qualified students.

Chemistry

PROFESSOR: JAMES LLEWELLYN CRENSHAW, Ph.D.
ASSOCIATE PROFESSOR: ERNST BERLINER, Ph.D.
ASSISTANT PROFESSORS: HAROLD KWART, Ph.D.
EDITH HAMILTON LANMAN, M.A.
DEMONSTRATOR: FRANCES BONDHUS BERLINER, Ph.D.

Appointments to be announced

Students majoring in Chemistry are required to take the first year course, both second year courses, and one advanced course. One year of Physics, Mathematics 101a and 101b and a reading knowledge of German and of French or Russian are also required.

Allied subjects: Biology, Geology, Mathematics, Physics.

101. *Introduction to General Chemistry* (first semester): *Qualitative Analysis and the Chemistry of the Metals* (second semester): Dr. Crenshaw, Dr. Berliner, Miss Lanman.

The first semester's work does not presuppose any knowledge of chemistry. Students who have had chemistry in school are given special laboratory work. Three lectures, four hours laboratory a week.

201a. *Quantitative Analysis* (first semester): Miss Lanman.

One lecture, eight hours laboratory a week.

201b. *Elementary Physical Chemistry* (second semester): Dr. Crenshaw.

Two lectures, five hours laboratory a week. Prerequisite: one year of school physics or the first semester of Physics 101.

202. *Organic Chemistry:* Dr. Berliner and Dr. Kwart.

Three lectures, five hours laboratory.

301. *Advanced Physical Chemistry:* Dr. Crenshaw.

First semester: elementary thermodynamics. Second semester: chemical kinetics. Two lectures, eight hours laboratory. Prerequisite: Mathematics 101. Credit 1½.

302. *Advanced Organic Chemistry:* Dr. Berliner and Dr. Kwart. Lectures: theories and fundamental principles of organic chemistry. Laboratory: (first semester) organic qualitative analysis; (second semester) advanced synthesis and organic quantitative analysis. Two lectures, eight hours laboratory. Credit: 1½.

303. *Advanced Inorganic Analysis:* Miss Lanman. One lecture, eight hours laboratory. By special arrangement this course may be taken for one and a half credits.

FINAL EXAMINATION

The final examination consists of three parts:

1. General Chemistry (required of all students).
2. At least *one* examination from the following group:
 a. Analytical Chemistry
 b. Organic Chemistry
 c. Physical Chemistry
3. If only one examination is offered from Group 2, one of the following must be offered:
 a. Laboratory examination
 b. An examination in an allied subject.

HONORS WORK

Honors work may be taken in conjunction with any of the advanced courses or after their completion.

Classical Archaeology

PROFESSOR: RHYS CARPENTER, Ph.D., Litt.D.
ASSISTANT PROFESSOR: MACHTELD JOHANNA MELLINK, Ph.D.
CURATOR OF SLIDES AND PHOTOGRAPHS: HENRIETTA HUFF LANDES, A.B.

ASSOCIATE PROFESSOR OF ANTHROPOLOGY: FREDERICA DE LAGUNA, Ph.D.

Students majoring in Classical Archæology are required to take the first year course, the second year courses 201a and 201b, and the advanced courses. Courses 202a, 202b, and 203 are electives.

Allied subjects: Ancient History, Greek, History of Art, Latin, and Anthropology.

101. *Ancient Sculpture:* Dr. Carpenter.

201a. *Egyptian and Mesopotamian Archæology:* Dr. Mellink.

201b. *Aegean Archæology:* Dr. Mellink.

202a.* *Ancient Italy:* Dr. Carpenter.

202b.* *Cultural Geography of the Mediterranean:* Dr. Carpenter.

203.* *American Archæology:* Dr. de Laguna.

Anthropology 101 (see page 79) is recommended as a preliminary to this course.

301a. *Ancient Painting:* Dr. Mellink.

301b. *Ancient Architecture:* Dr. Carpenter.

FINAL EXAMINATION

The final examination for students majoring in classical archæology is in three parts:

1. Three examinations chosen by the student from the following:
 a. Greek Sculpture
 b. Greek Vase-Painting
 c. Ancient Architecture
 d. Aegean Pre-history
 e. Egyptian and Mesopotamian Archæology
2. Alternate: In lieu of the third examination in archæology from Group 1 students who have completed by the end of their junior year two units in Greek, Latin, or History of Art, may offer a field of these allied subjects.

HONORS WORK

Honors work is offered by the department for students who have completed two years of work in the department with distinction.

The work is conducted by means of reports, reading assigned in various fields and discussion of topics.

1st Semester Courses.

Greek Sculpture: Dr. Carpenter.

Vase Painting: Dr. Mellink.

Preparation for the final examination for Honors in Classical Archæology.

2nd Semester Courses.

Aegean Archæology: Dr. Mellink.

Greek and Roman Architecture: Dr. Carpenter.

Preparation for the final examination for Honors in Classical Archæology through detailed problems in the reconstruction of classical buildings on excavated sites.

Economics

PROFESSOR: MILDRED BENEDICT NORTHROP, Ph.D.
ASSOCIATE PROFESSOR: JOSHUA C. HUBBARD, Ph.D.
Appointment to be announced

PROFESSOR OF SOCIAL ECONOMY: FLORENCE PETERSON, M.A.
ASSOCIATE PROFESSOR OF MATHEMATICS: MARGUERITE LEHR, Ph.D.

Students majoring in Economics are required to take the first year course, two full second year courses, and the advanced course. They are urged to take Economics 204 (Statistics), which will count as part of their allied work. They are normally expected to take some work in Political Science as an allied subject.

Allied subjects: Political Science, History, Philosophy, Psychology, Sociology and Anthropology, Mathematics.

101. *Introduction to Economics:* Dr. Hubbard.
This course is designed to provide an understanding of the economic institutions and problems of American civilization in the middle of the twentieth century. The problems analyzed and discussed include: the public debt, unemployment, inflation, social security, international economic problems, the role of the United States in the world economy, and comparative economic organization.

201. *Industrial Organization:* Dr. Northrop.
A study of the development of modern industrialism with particular reference to the development of the modern corporation; corporation finance and price policy; the decline of competition and problems of government regulation and control.

202a. *Money and Banking:* Dr. Hubbard.
The function of money and banking in a credit economy; the history, organization and structure of the money and banking system of the United States; problems of the value of money.

202b. *Public Finance and Fiscal Policy:* Dr. Hubbard.
A study of local, State, and Federal revenues and expenditures with particular emphasis on the Federal budget; fiscal policy as a positive means of shaping public taxation and expenditure so as to contribute to a stable full employment economy.

203a. *The Labor Movement:* Miss Peterson.
History of the American Labor Movement with emphasis upon the political and economic factors which have influenced its development and present characteristics; causes of labor disputes and methods for settlement.

203b. *Employer-Labor Relations:* Miss Peterson.
Significance of collective bargaining; legal aspects; nature of the collective bargaining contract in various industries; wage determination; personnel policies and practices.

204. *Statistics:* Dr. Lehr.
Fundamental principles underlying the collection, analysis, tabulation and presentation of data, including graphic methods, averages, dispersion, simple index numbers, the time series, and correlation.

301a. *Full Employment:* Dr. Northrop.
A study of the business cycle and business cycle theory; the "Keynesian Revolution" and post-Keynes economic theory; the full employment policy of the United States and of other countries.

301b. *International Economics:* Dr. Northrop.
A study of international trade and international finance in theory and practice; the foreign economic policy of the United States; International Economic Organization; the impact of industrialism on underdeveloped nations.

FINAL EXAMINATION

The final examination for students majoring in Economics is in three parts:

1. An examination in general economic principles and problems.
2. An examination in Economic Theory.
3. An examination in one of the following:
 a. Money and Banking, including Fiscal Policy
 b. Industrial Organization
 c. International Economics
 d. The Business Cycle and Full Employment
 e. Labor Economics including Wages and Wage Theory.

With the permission of the major and allied departments, one of the papers may deal with an allied subject.

HONORS WORK

One unit of honors work may be taken by students recommended by the department.

Education

PRESIDENT OF THE COLLEGE:
KATHARINE ELIZABETH MCBRIDE, Ph.D., LL.D., L.H.D.

ASSOCIATE PROFESSOR:
RACHEL DUNAWAY COX, Ph.D.

ASSISTANT IN THE CHILD STUDY INSTITUTE:
Appointment to be announced

Instruction offered in Education is not organized on the scale of a regularly constituted department; there is no major work in the subject.

The Department of Education maintains the Child Study Institute under the direction of Dr. Cox with the assistance of James Delano, M.D., Consulting Psychiatrist, Mrs. Geraldine W. Mullen, Social Case Worker and a psychological assistant. This is a clinic supported jointly by the College and the Lower Merion Township Schools for work in the field of child development. Problems of learning and behavior are studied, psychological testing and remedial teaching are carried on. A program of counseling for children and their parents renders help in school and family adjustment. Advanced students participate in the work, and undergraduate and graduate students observe and carry on research projects in the twelve public schools of the Lower Merion Township.

Referrals also come to the Institute from the neurological and pediatric departments of the Bryn Mawr Hospital, from psychiatrists and from social agencies, giving opportunity for acquaintance with a diversity of clinical material.

A separate building on the college grounds houses the Institute, with rooms equipped for the individual examination of pupils,

remedial teaching, play therapy, and student observation. Sound recording facilities are available for the study and improvement of counseling and testing techniques.

Courses 101b and 201a are accepted in partial fulfilment of State requirements for teachers.

[101b.* *Principles of Education:* President McBride.]

201a.* *Educational Psychology:* President McBride and Dr. Cox. Prerequisite: Psychology 101.

[202a.* *Child Psychology:* President McBride and Dr. Cox.] Prerequisite: Psychology 101.

English

PROFESSORS:	SAMUEL CLAGGETT CHEW, Ph.D.
	STEPHEN JOSEPH HERBEN, B.Litt., Ph.D.
	K. LAURENCE STAPLETON, A.B.
	ARTHUR COLBY SPRAGUE, Ph.D.
ASSOCIATE PROFESSORS:	MARY KATHARINE WOODWORTH, Ph.D.
	FREDERICK WAKEFIELD THON, M.F.A.
	BETTINA LINN, M.A.
INSTRUCTORS:	DEBORAH SANDS AUSTIN, M.A.
	CHARLOTTE SCHNAKENBERG, A.B.
	ISABEL GAMBLE, M.A.

Appointments to be announced

PROFESSOR OF GREEK: RICHMOND LATTIMORE, Ph.D.

Students majoring in English must take English 101 unless they have obtained a grade of 80 or better in English 1 and have the recommendation of the department to enter a second year course. They must complete four second year and advanced courses in English Literature, of which at least one should be an advanced course. Students who wish to specialize in the field of Old and Middle English must take some courses in later periods, and those specializing in modern literature must take English 201 or, in exceptional cases, certain other courses approved by the department. Credit will not be given for a single semester's work in full-year courses unless the Dean of the College recommends, and the department approves, that an exception be made.

A student majoring in English is expected to take at least two courses in allied subjects: any other language or literature, History, History of Art, History of Religion, Music, and Philosophy. Students are advised to devote one unit of allied work to a course in Greek or Latin or Greek Literature in Translation.[1] Any second year or advanced writing course may be substituted for one unit of allied work.

[1] Students of the classes of 1951 and 1952 must offer one of these courses for the required work in Literature.

COMPOSITION

1. *English Composition:* Dr. Woodworth, Miss Linn, Miss Austin, Mrs. Schnakenberg, Miss Gamble, and instructors to be announced.

A study of the forms of composition based upon reading in modern prose and poetry. This course must be taken by all freshmen and by transfer students who have not had a comparable course.

2. *English Speech:* Mr. Thon.

Training by means of voice-recordings, motion pictures, practice speaking, and individual conferences. This course carries no credit but must be taken by all freshmen and by transfer students who have not had a comparable course. It must be passed before the end of the Sophomore year.

209.* *Experimental Writing:* Miss Linn.
Practice in various forms of writing.

[209a.* *Prose Writing:* Miss Linn.]
Practice in various forms, excluding fiction and with emphasis on exposition and description.

210a.* *Playwriting and Production:* Mr. Thon.
Writing of two original one-act plays and production of selected scripts.

210b.* *Advanced Playwriting and Production:* Mr. Thon.
Writing of a full-length play and preparation of its production book. Prerequisite: consent of the instructor.

Theatre Arts: Mr. Thon.
Laboratory instruction in theatre arts. (No credit.)

211c.* *English Verse Composition:* Dr. Lattimore.
Original verse composition, with a study of the principles of form.

306 and 306c.* *Advanced Writing:* Instructor to be announced.
Prerequisite: English 209.

LANGUAGE

211b.* *History of the English Language:* Dr. Herben.

LITERATURE

101. *Survey of English Literature:* Dr. Herben.
From the beginnings to the middle of the Eighteenth Century.

Literary History of the Bible: Dr. Chew.
See History of Religion 103, page 65.

201. *English Literature of the Middle Ages:* Dr. Herben.
The emphasis is upon Chaucer and his contemporaries. Sufficient instruction is given in Middle English to enable the student to read ordinary texts.

202. *Shakespeare:* Dr. Sprague.
All the plays are read and two or three studied in detail.

[203. *The Romantic Period:* Dr. Chew.]
Attention is centered upon the poets.

204. *The Victorian Period:* Dr. Chew.

205. *Representative English Novelists:* Miss Linn.
Prerequisite: The reading of two novels by each of the following: Charlotte Brontë, Dickens, Thackeray, George Eliot, Meredith.

206a. *English Drama from the Restoration to Robertson:* Dr. Sprague.

206b. *Modern English Drama:* Dr. Sprague.
The drama from 1865 to the present day.

[207. *English and American Literature of the Last Half-Century:* Dr. Woodworth.]
Attention is paid to earlier movements but the emphasis is upon contemporary tendencies.

208. *American Literature:* Instructor to be announced.

[301. *Old English Literature:* Dr. Herben.]
After some training in Old English grammar, selections from prose and poetry are read, followed by the *Beowulf.*

[302a. *The Drama from the Beginnings to 1642:* Dr. Sprague.]

[303. *English Poetry from Spenser to Donne:* Dr. Sprague.]
The principal poets studied are Spenser, Sidney, Daniel, Drayton, Shakespeare (the narrative poems and the sonnets), Ben Jonson, and Donne.

[304. *The Seventeenth Century:* Miss Stapleton.]
About a third of the time is devoted to Milton, and special attention is given to the influence of the political and scientific movements of the period.

305. *The Eighteenth Century:* Dr. Woodworth.
The age of Pope and Swift; the Rise of the Novel; Dr. Johnson and his Circle.

FINAL EXAMINATION

The final examination is in three parts:

1. Literary criticism, literary genres, and problems of style. Based upon the reading of certain critical works of fundamental importance. Each student is expected to draw illustrative material from the fields in which she has elected to work.

2. An examination in one of the following periods. The student must choose a period other than that which embraces her field of concentration.

a. The Middle Ages (to 1500)
b. The Renaissance (1500-1660)
c. Neo-classicism and Romanticism (1660-1832)
d. The Nineteenth and Twentieth Centuries (English or English and American).

3. An examination in one of the following fields of concentration: Old English; Middle English; The Drama to 1642; Elizabethan Literature, non-dramatic; The Seventeenth Century; The Eighteenth Century; Romanticism; Victorian Literature; The Novel; The Drama from 1660 to the Present Time; English and American Literature, 1890-1939; American Literature.

With the consent of the department an examination in an allied subject may be substituted for one of these three examinations.

HONORS WORK

In the senior year honors work, consisting of independent reading, reports, and conferences, is offered to students of marked ability whose major subject is English.

French

PROFESSORS: MARGARET GILMAN, Ph.D.
GERMAINE BRÉE, *Agrégée de l'Université*
NON-RESIDENT PROFESSOR: GRACE FRANK, A.B.
ASSOCIATE PROFESSOR: BERTHE MARIE MARTI, Ph.D.
INSTRUCTOR: EDWARD P. MORRIS, B.A.

Appointment to be announced

Students majoring in French are required to take the first year course, the two second year courses, and one advanced literature course. Students who spend their Junior year in France may substitute an advanced literature course for French 202.

Allied subjects: any other language or literature, History, History of Art, Music, Philosophy, Economics, Political Science.

1. *Elementary French:* Mr. Morris.
2. *Intermediate French:* Miss Brée, Mr. Morris.
101. *French Literature from the* Chanson de Roland *to 1715: Practical Exercises in the French Language:* Dr. Gilman, Miss Brée, Mr. Morris, and instructor to be announced.
201. *French Literature from 1715 to 1900:* Dr. Gilman, Miss Brée.
202. *French Composition and Diction:* Instructor to be announced.
[301. *Introduction to Medieval French Literature and Philology.*]
[302. *French Poetry from Villon to Valéry.*]

[303. *French Thought of the Sixteenth, Seventeenth and Eighteenth Centuries.*]

304. *French Drama of the Seventeenth Century:* Instructor to be announced.

305. *The French Novel of the Eighteenth and Nineteenth Centuries:* Dr. Gilman.

[306. *French Literature of the Twentieth Century.*]

[307c. *Advanced Training in the French Language.*]

JUNIOR YEAR ABROAD

Students majoring in French may by a joint recommendation of the Dean of the College and the Department of French be allowed to spend their Junior year in Paris under the Junior Year in France Plan, now under the auspices of Sweet Briar College.

FINAL EXAMINATION

The final examination is in three parts:

1. An oral examination to test the student's use of the French language.
2. A three-hour written examination on a period of French literature.
3. A three-hour written examination on the development of a literary genre through French literature.

HONORS WORK

On the recommendation of the department, students in their senior year will be admitted to honors work consisting of independent reading, reports and conferences.

Geology

PROFESSORS: EDWARD H. WATSON, Ph.D.
LINCOLN DRYDEN, Ph.D.
ASSOCIATE PROFESSOR: DOROTHY WYCKOFF, Ph.D.
DEMONSTRATORS: JANE H. WALLACE, M.A.
IRENE R. WARAKSA, A.B.

Students majoring in Geology are required to take the first year course (101a and 101b), the two second year courses, and one advanced course.

Allied subjects: Biology, Chemistry, Physics, and, in special cases, other subjects.

101a. *Physical Geology:* Dr. Watson and demonstrators.

A study of the atmosphere, weathering, stream action, oceans, glaciers, earthquakes, and volcanoes, and of the structures to which they give rise. Three lectures, two afternoons of laboratory or field work a week.

101b. *Historical Geology:* Dr. Dryden and demonstrators.
The physical and biological development of the earth to the beginnings of historical times. Three lectures, two afternoons of laboratory or field work a week.

[201. *Mineralogy:* Dr. Watson.]
Crystallography, descriptive and determinative mineralogy, and elementary economic geology. Three lectures, two afternoons of laboratory or field work a week.

202. *Paleontology:* Dr. Dryden.
A systematic survey of animal phyla with special reference to their stratigraphic significance. Three lectures, one afternoon of laboratory a week.

301. *Structural and Field Geology:* Dr. Watson.
The origin and analysis of the structures of igneous, sedimentary, and metamorphic rocks, and geological surveying. Three lectures, two afternoons of field work or laboratory a week.

[302. *Stratigraphy:* Dr. Dryden.]
A survey of the stratigraphy of selected regions in Europe and North America, and study of special problems of correlation and interpretation. Three lectures, one afternoon of laboratory a week.

303. *Optical Mineralogy* (first semester) and *Petrology* (second semester). Dr. Wyckoff.
The optical properties of minerals and the use of the petrographic microscope. Discussion of the origin and differentiation of igneous rocks. Two lectures, about twelve hours of laboratory a week. Credit: 1½ units.

[304.* *Cartography:* Dr. Watson, Dr. Wyckoff.]
Field surveying, drafting, photogrammetry, elementary geomorphology, and general cartography. Open to students without previous work in geology. Two lectures, two afternoons of laboratory a week.

305. *Geography:* Dr. Wyckoff.
Discussion of geographic factors such as climate, soils, vegetation, land forms and mineral resources. General principles of economic and political geography. Three lectures, one afternoon of laboratory a week.

[306.* *The Development of Scientific Thought:* Dr. Wyckoff, Dr. Oppenheimer.]
(See Interdepartmental Course 203, page 82.)

FINAL EXAMINATION

The final examination for students majoring in geology is in three parts:

1. An examination in general geology (required of all students).

2. An examination in *one* of the following fields:
 a. Crystallography, crystal structure, crystal optics
 b. Optical mineralogy, petrographic methods, petrology
 c. Structural geology, field methods
 d. Paleontology, stratigraphy, physiography
 e. Crystallography and mineralogy.
3. *One* of the following:
 a. An examination in a second field of geological study in Group 2
 b. A general examination in an allied field approved by the department
 c. A written report on the results of a special piece of field or laboratory work.

HONORS WORK

Honors work in any of the advanced fields is offered to any student who has completed the first two years in geology with distinction.

German

PROFESSORS: MAX DIEZ, Ph.D.
FRITZ MEZGER, Ph.D.
ASSOCIATE PROFESSOR: MYRA RICHARDS JESSEN, Ph.D.
ASSISTANT PROFESSORS: MARTHA M. DIEZ, M.A.
HEINZ POLITZER
Appointment to be announced

Students majoring in German should take four courses above the elementary level: of these at least one should be advanced. To improve their command of spoken German a summer abroad or at the German School of Middlebury College is strongly recommended.

Allied subjects: History 101 (strongly recommended), 203, 204, 205, 301; any language or literature; History of Art 202, 203, 302; Music 101, 201, 301c; and Philosophy 201a, 301a and 302b.

1. *Elementary German (Reading):* Dr. Diez, Dr. Jessen, Mrs. Diez, Mr. Politzer.
2. *Elementary German (Speaking):* Dr. Diez, Dr. Jessen, Mr. Politzer.

101c. *Intermediate Training in Spoken German:* Mrs. Diez.

102c. *Introduction to German Literature: Faust:* Dr. Diez.

201. *German Life in Town and Country:* Dr. Jessen.
Oral and written discussion of readings on German life.

202. *The Age of Goethe:* Dr. Diez.

[203.* *Language and Civilization:* Dr. Mezger.]

[301. *Advanced Training in Translation:* Dr. Diez.]

[302. *History of German Civilization:* Dr. Diez.]

303. *The Age of Richard Wagner:* Dr. Diez.

304. *German Literature from 1850 to 1940:* Dr. Mezger.

[305. *Introduction to German Philology:* Dr. Mezger.]

This course is given as History of the German Language, *or* Old High German and Middle High German Literature.

[306. *The German "Novelle":* Dr. Jessen.]

[307. *German Drama:* Dr. Jessen.]

308. *The German Lyric:* Mr. Politzer.

JUNIOR YEAR ABROAD

Students of unusual ability may be recommended for the Junior Year in Zurich or Munich under the direction of the American Council on College Study in Switzerland or of the German Junior Year Inc. Prerequisite: German 2.

FINAL EXAMINATION

The final examination for students majoring in German consists of three papers:

1. An examination in German on the literature and civilization of Germany.
2. One of the following:
 a. History of the German Language
 b. The German Drama
 c. German Poetry
 d. The German Novel
 e. European History
 f. History of German Art
 g. History of German Music
 h. German Philosophy
3. One of the following:
 a. Middle High German Literature
 b. The Classical Period 1750-1805
 c. German Romanticism from Novalis to Nietzsche
 d. The Age of Realism 1830-1885
 e. The Modern Period 1885-1930
 f. An allied subject if none has been offered under Group 2.

HONORS WORK

Special work for honors is offered to students of unusual ability.

Greek

PROFESSOR: RICHMOND LATTIMORE, Ph.D.
ASSOCIATE PROFESSOR: MABEL LOUISE LANG, Ph.D.

PROFESSOR OF CLASSICAL ARCHÆOLOGY: RHYS CARPENTER, Ph.D., Litt.D.

Students majoring in Greek are required to take Elementary Greek, the first year course, the second year course, and one advanced course, to be decided in consultation with the department.

Allied subjects: Ancient History, Archæology, any language, Philosophy.

1. *Elementary Greek:* Dr. Lang.

101. *Plato* (first semester); *Greek Tragedy* (second semester): Dr. Lattimore.
Private reading and prose composition are required.

102c. *Homer:* Dr. Lattimore.
Offered for students who have begun Greek in College and for those who do not offer Homer for entrance.

201. *Demosthenes, Thucydides* (first semester); *Greek Tragedy* (second semester): Dr. Lattimore.
Private reading and prose composition are required.

[202c. *Herodotus* (first semester); *Plato* (second semester).]

[301. *Attic Tragedy, Attic Orators, Historians, Plato, Pindar, Melic Poets, Homer, Composition:* Dr. Lattimore, Dr. Lang.]
The student selects her work from these fields and authors in consultation with the department.

203.* *Greek Literature in Translation:* Dr. Lattimore, Dr. Lang.

FINAL EXAMINATION

The final examination for students majoring in Greek consists of:

1. Sight Translation of Greek to English.
2. Two papers from the following fields: Homer, Attic Tragedy, Lyric Poetry and Aristophanes, Fifth-century Historians, Fourth-century Attic Prose.

HONORS WORK

Honors may be taken either in conjunction with advanced courses or after their completion.

History

PROFESSORS: HELEN TAFT MANNING, Ph.D., LL.D.
CAROLINE ROBBINS, Ph.D.
FELIX GILBERT, Ph.D.
ASSOCIATE PROFESSOR: GEORGE P. CUTTINO, D.Phil.
ASSISTANT PROFESSOR: ARTHUR P. DUDDEN, M.A.[1]

PROFESSOR OF LATIN: THOMAS ROBERT SHANNON BROUGHTON, Ph.D.

Students majoring in history must take the first year course unless they have entered college with satisfactory preparation in the field of European history. Any substitution must be approved by the department. They must take two second year courses and one advanced course.

1 Ph.D. to be conferred June, 1950.

Allied work: students interested in modern European or American history are advised to take courses in economics or political science as allied work. Students interested in medieval history are advised to take courses in history of art or Latin, especially medieval Latin. Students interested in ancient history are advised to take courses in the ancient languages, classical archæology or philosophy. Advanced courses in English, French, German, and Russian literature and the course in anthropology are also accepted as allied work with the consent of the Department.

101. *Medieval and Modern Europe:* Dr. Robbins, Dr. Manning, Dr. Cuttino, Mr. Dudden..

[201. *History of England to 1783:* Dr. Robbins.]

202. *History of the United States 1760-1943:* Mr. Dudden.

204a. *Medieval Civilization:* Dr. Cuttino.

Western European history from the fifth to the twelfth century. Among the topics covered will be: decline of the ancient world; the barbarians; the early church; the Byzantine empire; the Arab empire; the West after Justinian; the Carolingian empire and renaissance; feudalism; the revival of western civilization; the crusades.

204b. *History of the Renaissance:* Dr. Cuttino.

Western European history from the twelfth century to the age of the discoveries. Among the topics covered will be: the growth of western monarchies; the twelfth-century reformation and renaissance; the new secularism; Dante; the later middle ages; the Italian Renaissance to 1517.

205a. *The Enlightenment:* Dr. Robbins.

A study of the rise and forms of absolutism in European countries between the Reformation and the Revolution occupies the first half of the semester. The second is devoted to an analysis of main currents of thought in the period and their connection with the political developments of the time.

205b. *Revolutionary Europe 1787-1850:* Dr. Manning.

About one half of the semester is devoted to the French Revolution; the second half to the spread of revolutionary ideas and the idea of nationalism throughout Western Europe during the Napoleonic period and the first half of the nineteenth century culminating in the Revolution of 1848.

207.* *Ancient History:* Dr. Broughton.

208. *History of Russia:* Dr. Gilbert.

Semester one deals with the Russia of Tsarism, the second semester with Soviet Russia.

301. *History of Europe since 1890:* Dr. Gilbert.

[302a. *Rise of the Americas:* Mr. Dudden.]

The French, Spanish, and British colonial empires; the revolutionary movements and the development of the Latin-American states to the present day.

303b. *Social and Intellectual History of the United States:* Mr. Dudden.

304a. *English History in the Nineteenth Century:* Dr. Manning.

[305a. *Renaissance and Reformation:* Dr. Gilbert.]

European history in the fifteenth and sixteenth centuries. Emphasis will be placed on the change in political and social institutions and in intellectual life, which occurred during these centuries.

FINAL EXAMINATION

The final examination for students majoring in history consists of three papers, one of which must be on the History of the Continent of Europe and will be four hours in length. The fields may be selected from one of the following:

1. Ancient History.
2. History of the Continent of Europe from 378 to 1618.
3. History of the Continent of Europe from 1618 to the Present.
4. History of England to 1603.
5. History of England from 1603 to the Present, including the History of the British Empire.
6. History of the United States.
7. History of Russia.

With the consent of the departments concerned, a student may write one of her three papers in a field of allied work.

In case of a student who has completed the course work in English or American history, and has devoted a part of her time in her senior year to the study of source material and bibliography for a special period such as that of the American Civil War or the Puritan Revolution, one examination of two or three hours in length will be limited in scope and intensive in character. A similar examination will be set for students of Ancient or Medieval History where there is need for it.

HONORS WORK

Students admitted to this work meet the instructor each week for the discussion of reading in a selected period. An essay based on source material must be presented before May 1st. The award of the degree with honors in history will depend on the character of this honors paper and on the candidate's performance in the final examination.

History of Art

PROFESSOR:	ALEXANDER COBURN SOPER, M.F.A., Ph.D.
ASSOCIATE PROFESSORS:	JOSEPH CURTIS SLOANE, M.F.A., Ph.D.
	RICHARD BERNHEIMER, Ph.D.
CURATOR OF SLIDES AND PHOTOGRAPHS:	HENRIETTA HUFF LANDES, A.B.
ASSISTANTS:	LUCILLE FEIDEN, A.B.
	CORLETTE ROSSITER, M.A.
	MARIANNE WINTER MARTIN, M.A.

Students majoring in the history of art are required to take four full courses (or the equivalent): the first year course, one of the second year courses, and two other courses, one of which shall be considered as an advanced course.

Allied subjects: Classical Archæology, English, French, German, History, Music, Philosophy.

All courses are illustrated with lantern slides. A large collection of photographs is available for study.

In cooperation with the department, the Undergraduate Art Club offers studio practice in creative art. The studio is open to all interested students several afternoons a week throughout the year. There is no tuition fee and academic credit is not granted for this work.

101. *An Introduction to the History of Art:* Dr. Bernheimer, Dr. Sloane.

A philosophical, technical, and historical introduction to the field of the fine arts. Laboratory work in basic principles of design, color, and technique will be required in conjunction with the lectures. Three lectures, one hour of conference, and two hours of laboratory each week.

201.* *Italian Art:* Dr. Sloane.

The arts of Italy from the thirteenth to the end of the fifteenth century are discussed in the first semester. The second semester covers the later phases of Italian art with some consideration of its influence on the Baroque in Spain and Germany.

202. *Medieval Art:* Dr. Soper, Dr. Bernheimer.

The first semester covers the early mediæval period, the second the Romanesque and Gothic.

[203a. *Northern Renaissance Art:* Dr. Soper.]

From its beginnings through Breughel.

[204b. *Northern Baroque Art:* Dr. Sloane.]

From the late sixteenth century to the classic revival in the eighteenth century.

301.* *Art of the Far East:* Dr. Soper.

Chinese and Japanese art from the earliest dynasties to the present, including a survey of Indian art as an introduction to Buddhism in the Far East.

302. *Modern Art:* Dr. Sloane, Dr. Soper.

In the first semester the pictorial arts are traced from David to the present day. In the second semester, the architecture and sculpture of the same period are discussed.

FINAL EXAMINATION

The final examination for students majoring in the history of art consists of three parts of three hours each:

1. An examination conducted with slides and/or photographs testing the student's ability to identify important monuments and to analyze stylistic and iconographic elements within the field of major concentration.
2. A written examination on fundamental problems of style, evolution and cultural relationships in art.
3. A detailed examination on *one* of the following fields chosen from the broader field of major concentration:
 a. Early Medieval Art
 b. Romanesque and Gothic Art
 c. Art of the Northern Renaissance
 d. Italian Art after 1300
 e. Art of the Seventeenth and Eighteenth Centuries
 f. Modern Art (after 1800)
 g. Art of the Far East.

HONORS WORK

Honors work is offered to students recommended by the department.

History of Religion

PROFESSOR OF ENGLISH LITERATURE: SAMUEL CLAGGETT CHEW, Ph.D.
ASSOCIATE PROFESSOR OF LATIN: AGNES KIRSOPP MICHELS, Ph.D.
ASSOCIATE PROFESSOR OF PHILOSOPHY AND RELIGION: GEDDES MACGREGOR, B.D., D.Phil., LL.B.

Instruction offered in the History of Religion and in Biblical Literature is not organized on the scale of a regularly constituted department; there is no major work in either subject.

101a.* *The Rise of Judaism:* Dr. A. K. Michels.
The reading is taken, as far as possible, from the original sources.

101b.* *Early Christianity:* Dr. A. K. Michels.
The reading is taken, as far as possible, from the original sources.

103.* *Literary History of the Bible:* Dr. Chew.
The English Bible from the point of view of origins and literary forms.

201a.* *Comparative Religion:* Dr. MacGregor.
The origin and development of religion; the history of the great religious systems (e.g., Buddhism, Shinto, Confucianism, Islam); the interpretation of religion on a comparative basis.

201b.* *History of Christian Thought:* Dr. MacGregor.
The history of Christian ideas from early times to the present day.

203a. *Philosophy of Religion:* Dr. MacGregor.
This course is also listed as Philosophy 203a.

203b. *Mediæval Philosophy:* Dr. MacGregor.
This course is also listed as Philosophy 203b.

Italian

ASSOCIATE PROFESSOR: ANGELINE HELEN LOGRASSO, Ph.D.
Appointment to be announced

Students majoring in Italian are required to take the first year course in the Italian language, the two second year courses, the advanced course in Dante, and one other advanced course.

Allied subjects: History, History of Art, Philosophy, any other language or literature; certain courses in other fields with departmental approval.

Attention is called to two elective half-courses in Italian literature in English translation for students who have no knowledge of Italian. By special arrangement they may be expanded into full courses. For the required reports in these courses students may choose topics related to their major subject.

101. *Italian Language:* Dr. Lograsso.
A practical knowledge of the language is acquired through speaking, hearing, writing, and reading, going from concrete situations to the expression of abstract ideas and with a gradual introduction to the reading of contemporary texts. A modified Army method is used.

102c.* *Dante in English Translation:* Dr. Lograsso.
The *New Life* and *Divine Comedy.*

[103c.* *Literature of the Italian Renaissance in English Translation:* Dr. Lograsso.]
From Petrarch to Tasso; pastoral literature; literary criticism and aesthetic theories of the Renaissance with special reference to their influence on other literatures.

201. *Classics in Italian Literature:* Dr. Lograsso.
Reading and explanation of texts, with a study of literary history; conducted mostly in Italian.

202c. *Intermediate Course in the Italian Language:* Dr. Lograsso.
Topics are assigned for composition and discussion in Italian.

301. *Dante:* Dr. Lograsso.
The *Vita Nuova* and *Divina Commedia,* with some attention to the minor works.

302c. *The Italian Language:* Dr. Lograsso.
Advanced work in composition.

[303. *Italian Literature of the Rinascimento:* Dr. Lograsso.]

[304. *Italian Literature of the Romantic Period:* Dr. Lograsso.]

JUNIOR YEAR ABROAD

Students approved by the Department and the Dean of the College may be recommended for the Junior year in Perugia and Florence under the auspices of the Smith College Group.

FINAL EXAMINATION

The final examination consists of three parts:

1. The Italian Language: ability to speak and understand the spoken idiom; ability to write it.
2. Italian Literature and Literary History.
3. The study of a single genre or topic throughout Italian literature, or a paper on an allied subject.

For the second part the emphasis may be placed on the Medieval, Renaissance, Romantic, or Modern period.

HONORS WORK

After the completion of the second year course a student may be recommended for honors in Italian. The student works in a special field adapted to her own interest under the direction of the department.

Latin

PROFESSORS: LILY ROSS TAYLOR, Ph.D., Litt.D.
THOMAS ROBERT SHANNON BROUGHTON, Ph.D.

ASSOCIATE PROFESSORS: BERTHE MARIE MARTI, Ph.D.
AGNES KIRSOPP MICHELS, Ph.D.

Students majoring in Latin are required to take Latin 101, 201, and 301 or 302.

Allied subjects: Ancient, Medieval, and Renaissance History, Classical Archæology, Greek, History of Religion, Philosophy, any modern language or literature.

101. *Latin Literature:* Dr. Taylor, Dr. Michels.

Prerequisite: three *or* four units of entrance Latin. Selections will be read from the poems of Catullus, from the *Eclogues* and *Georgics* of Vergil, and from the Elegists in the first semester; and from Livy's *History* and the *Odes* of Horace in the second.

[102.* *Classical Culture in the Middle Ages:* Dr. Marti.]

Prerequisite: three units of entrance Latin. The reading in the first semester will include selections from St. Augustine's *Confessions,* Boethius' *Consolation of Philosophy* and the Venerable Bede. In the second semester emphasis will be placed on the Renaissance of the twelfth century, with reading from the religious and secular poets, the schoolmen and the historians.

[201. *Latin Literature of the Roman Empire and the Middle Ages:* Dr. Marti.]
Prerequisite: Latin 101.

202a. *Early Latin Literature:* Dr. Broughton.
Prerequisite: Latin 201. Reading of plays of Plautus and Terence, the *Annals* of Ennius, and some examples of early prose writing.

202b. *Latin Literature of the Empire:* Dr. Michels.
Prerequisite: Latin 201. Reading from the poets and prose authors of the Silver Age.

203c. *Latin Prose Style:* Dr. Michels, Dr. Broughton.
Detailed study of the style of the chief prose authors and regular practice in the writing of Latin.

301a. *Vergil's Aeneid:* Dr. Broughton.

301b. *Tacitus and Petronius:* Dr. Taylor.

[302a. *Lucretius and Vergil's Georgics:* Dr. Taylor.]
The *De Rerum Natura* of Lucretius and the longer poems of Catullus.

[302b. *Cicero and Cæsar:* Dr. Broughton.]
Extensive selections from Cicero's *Orations* and *Letters* and from Cæsar's *Commentaries.* Chief emphasis is placed on the social and political history of the period.

FINAL EXAMINATION

The final examination for students majoring in Latin consists of three three-hour papers in the following fields:

1. Latin Sight Translation.
2. An examination on one of the following subjects:
 a. Latin Literature of the Republic
 b. Latin Literature of the Empire
 c. Latin Literature of the Ciceronian and Augustan Age
 d. Roman History from the Sources (100 B.C. to 70 A.D.).
3. An examination on one of the following subjects:
 a. An allied subject (Students are advised if possible to take the third paper in Greek)
 b. A second subject from Group 2 (Choice must avoid duplication of material)
 c. The development in Latin literature of an important literary type
 d. An important period or type in Medieval Latin Literature
 e. Latin Prose Style.

Honors Work

Qualified students will be admitted to honors work on the recommendation of the department.

Mathematics

Associate Professors: John Corning Oxtoby, M.A.
Marguerite Lehr, Ph.D.
Assistant Professor: Lindley J. Burton, Ph.D.
Appointment to be announced

Students majoring in Mathematics are required to take Mathematics 101, 201, 202c, and two advanced courses.

Allied subjects: Chemistry, Economics, Philosophy, Physics, Psychology.

101a. *Plane Analytic Geometry:* Dr. Lehr, Mr. Oxtoby.
The course includes the necessary topics in Trigonometry.

101b. *Differential Calculus:* Dr. Lehr, Mr. Oxtoby.

201. *Second Year Calculus:* Mr. Oxtoby.
Integral Calculus, Infinite Series, Differential Equations.

202c. *Solid Analytic Geometry and Algebra:* Dr. Burton.
A selection from the following courses is offered each year according to the needs of the students.

301. *Advanced Calculus:* Dr. Burton.
Prerequisite: Mathematics 201.

302b. *Introduction to Geometric Theories:* Dr. Lehr.
Prerequisite: Mathematics 202c.

303a. *Introduction to Abstract Algebra:* Dr. Lehr.
Prerequisite: Mathematics 202c.

[304a. *Theory of Probability and Statistics:* Dr. Lehr.]
Prerequisite: Mathematics 201.

310. *Theory of Functions of a Complex Variable:* Instructor to be announced.
Prerequisite: Mathematics 301.

[311b. *Differential Equations:* Mr. Oxtoby.]
Prerequisite: Mathematics 301 (may be taken concurrently).

Final Examination

The final examination for students majoring in mathematics consists of three parts:

1. An examination in analysis.
2. An examination in geometry.

3. One of the following:
 a. An examination in algebra, in applied mathematics, or in some particular branch of advanced analysis or advanced geometry
 b. An examination in an allied field approved by the department
 c. A written report based on intensive study of one of the subjects listed in group (a).

HONORS WORK

Honors work is offered in this department to qualified students.

Music

PROFESSOR: HORACE ALWYNE, F.R.M.C.M.
ASSISTANT PROFESSOR: ROBERT L. GOODALE, A.B., B.Mus., A.A.G.O.
READER: ELIZABETH BOOTH, A.B.
DIRECTOR OF ORCHESTRA AND ENSEMBLE GROUPS: WILLIAM REESE, Ph.D.

The courses in Music are all free electives. They are so arranged that a student may pursue the subject during the four years of college. No credit will be given for courses in this department unless the work of both semesters is completed.

Students in the courses in History and Appreciation of Music must devote two hours or more a week to listening to gramophone records assigned by the department.

The College Chorus of eighty members, which also takes part in the College Services, and the Orchestra and Ensemble groups are organized under the direction of the Department of Music. On several occasions during the year the chorus of Bryn Mawr College and the choruses of various men's colleges, as well as the instrumental groups of Bryn Mawr College and Haverford College collaborate in performances of special works.

101.* *History and Appreciation of Music:* Mr. Alwyne.

A comprehensive survey from the period of Bach to the end of the nineteenth century, with special emphasis on the technique of intelligent listening.

201.* *Advanced History and Appreciation of Music:* Mr. Alwyne.

A more amplified and intensive study of nineteenth century music. The Symphonic Poem, Art-Song and Music-Drama. Expansion of orchestral and pianoforte technique; development of symphonic and chamber-music forms; growth of Nationalism.

Prerequisite: Music 101 or its equivalent.

301c.* *Third Year History and Appreciation of Music:* Mr. Alwyne.

The development of Opera and Music-Drama. The trends of Twentieth Century Music and significant representative works.

Prerequisites: Music 101 and 201 or their equivalents.

102.* *Elementary Harmony:* Mr. Goodale.

Principles of melodic writing, in one and two voices. Harmony in four voices. Triads in root position, first and second inversions; 7th chords; modulation. Formal and harmonic analysis. Sight singing and dictation.

202.* *Advanced Harmony:* Mr. Goodale.

Continuation of Music 102. Original composition in the larger forms. Advanced analysis. Sight singing and dictation.

Prerequisite: Music 102 or its equivalent.

203c.* *Elementary Counterpoint:* Mr. Goodale.

Composition and analysis of counterpoint in the style of the sixteenth century.

Prerequisite: Music 102 or its equivalent.

302c.* *Advanced Counterpoint:* Mr. Goodale.

Composition and analysis in the style of Bach. This will include a study of the large contrapuntal forms.

Prerequisite: Music 102 and 203c or the equivalent.

Philosophy

PROFESSORS:	MILTON CHARLES NAHM, B.Litt., Ph.D.
	PAUL SCHRECKER, Ph.D.
ASSOCIATE PROFESSORS:	ISABEL SCRIBNER STEARNS, Ph.D.
	GEDDES MACGREGOR, B.D., D.Phil., LL.B.
ASSISTANT PROFESSOR:	HUGUES LEBLANC, Ph.D.
LECTURER:	JOSÉ MARIA FERRATER MORA, *Licenciado*

Students majoring in Philosophy are required to take the first year course, the second year half-course in German Idealism, Logic, Ethics, and Recent Philosophy, and one advanced course. With permission, students may take second-year courses for third-year credit.

Allied subjects: Biology, Economics, English, Greek, History, Latin, Mathematics, Physics, Political Science, Psychology, and certain courses in History of Religion and Sociology and Anthropology.

101. *History of Philosophic Thought:* Dr. Nahm, Dr. Stearns, Dr. MacGregor, Dr. Leblanc, and Mr. Ferrater Mora.

Some writings of the major philosophers, classic and modern, are studied and discussed.

201a. *German Idealism:* Dr. Schrecker.

The philosophy of Kant.

201b. *Recent Philosophy:* Dr. Stearns.

The philosophies of Whitehead, Bergson, Mead, and related thinkers.

202a. *Logic:* Dr. Leblanc.

An introduction to modern logic.

202b. *Ethics:* Dr. Nahm.

The theory and problems of various types of ethics.

203a. *Philosophy of Religion:* Dr. MacGregor.

The nature and interpretation of religion, and the relation between religion and philosophy.

203b. *Mediæval Philosophy:* Dr. MacGregor.

The philosophy of Thomas Aquinas.

301a. *Aesthetics:* Dr. Nahm.

Types of aesthetic theory and problems of aesthetic experience.

301b. *Problems of Philosophy:* Dr. Leblanc.

Analysis of some problems in empiricism or existentialism.

[302a. *Plato:* Dr. Stearns.]

A detailed study of some of the later dialogues.

302b. *Philosophy of History:* Dr. Schrecker.

The philosophical interpretation of history, its meaning and laws.

FINAL EXAMINATION

The final examination consists of three papers divided into the following groups, offering a wide choice of questions:

1. Ancient Philosophy.
2. Modern Philosophy.
3. Systematic Philosophy.

For the first two papers, selected texts of a limited number of important philosophical writers are studied. The historical relations of systems of philosophy are traced with some announced theme as a point of departure. For the third paper an important modern philosopher is studied with special emphasis on the interrelations of metaphysical, ethical, etc., problems in his system.

HONORS WORK

Honors work may be taken either in conjunction with the advanced courses or after their completion. It consists of independent private reading with frequent written reports and conferences with the instructor. The subjects chosen are not confined to the technical aspects of philosophy but, on the contrary, emphasize its connection with general literature, history and politics, or with some special field in which the student is working.

Physics

PROFESSOR:	WALTER C. MICHELS, Ph.D.
ASSISTANT PROFESSORS:	ROSALIE C. HOYT, Ph.D.
	JOHN R. PRUETT, Ph.D.
DEMONSTRATORS:	RICHARD C. BARBERA, S.B.[1]
	ESTHER RENNERT, B.A.

Students majoring in Physics are required to take the first year course; the second year course; and at least one and one-half units of advanced work, to be chosen from courses 303-305 inclusive. They must also take first and second year work in mathematics, and if possible one advanced course in mathematics.

Several Elective Courses, not usually required of majors, are given only when requested.

Allied subjects: Chemistry, Mathematics.

101. *Introduction to Modern Physics:* Dr. Hoyt, Dr. Pruett, and Mr. Barbera.
Three lectures, four hours laboratory a week.

206. *Mechanics and Heat:* Dr. Pruett, Dr. Hoyt, and Miss Rennert.
Three lectures, four hours laboratory a week. Prerequisites: Physics 101, Mathematics 101, Mathematics 201 (may be taken concurrently).

[251c.* *Meteorology:* Dr. Michels.]
Four hours lectures and laboratory a week. Prerequisite: Physics 101 or Mathematics 101.

[252c.* *Astronomy:* Dr. Michels.]
Prerequisite: Physics 101, or first and second year work in any natural science or mathematics.
Two lectures, one evening of laboratory a week.

303. *Introduction to Experimental Physics:* Dr. Michels.
Three lectures, four hours laboratory a week. Prerequisites: Physics 206 and Mathematics 201 (either may be taken concurrently).

304. *Introduction to Theoretical Physics:* Dr. Hoyt.
Four lectures a week. Prerequisites: Physics 206, Mathematics 201, and Physics 303 (may be taken concurrently).

305. *Physical Measurements:* Dr. Michels and Dr. Pruett.
Four hours laboratory a week. Prerequisites: Physics 303 (may be taken concurrently).

[351.* *Application of Physics to Biology and Chemistry:* Dr. Hoyt.]
Three lectures, four hours laboratory a week. Prerequisites: Physics 101 and Mathematics 101 and second year work in either Chemistry or Biology.

1 M.A. to be conferred June, 1950.

FINAL EXAMINATION

The final examination for students majoring in physics is in three parts:

1. Foundation of Physical Theory (required of all students).
2. Descriptive Physics. A student may substitute an approved examination in an allied field for this examination.
3. An examination in a special field of physics. The allowed subjects include:
 Electricity and Magnetism
 Optics
 Classical Mechanics and Special Relativity
 Acoustics
 Thermodynamics and Statistical Mechanics
 Mechanics of the Atom

HONORS WORK

Honors work may be taken by seniors recommended by the department. It consists of reading and experimental work on some problem of physics.

Political Science

The Caroline McCormick Slade Department of Political Science

PROFESSORS:	ROGER H. WELLS, Ph.D.
	K. LAURENCE STAPLETON, A.B.
ASSISTANT PROFESSORS:	PETER BACHRACH, M.A.
	GERTRUDE C. K. LEIGHTON, LL.B.

ASSOCIATE PROFESSOR OF ECONOMICS:	JOSHUA C. HUBBARD, Ph.D.
ASSOCIATE PROFESSOR OF PHILOSOPHY:	ISABEL SCRIBNER STEARNS, Ph.D.

Students majoring in this Department are required to take Political Science 101a and 102b; one unit of second year work; one unit of third year work; and Economics 101. The allied subjects for Political Science are: Economics, History, Philosophy, Psychology, Sociology and Anthropology, and, with the permission of the Department, modern foreign language or literature. Certain courses offered by the Departments of Economics and Government at Haverford College are accepted for major and allied work. The second year courses in Political Science are open to students not majoring in Political Science if they have completed one unit of work in Economics, History or Philosophy.

101a. *American Government:* Mr. Bachrach and Miss Leighton.
An introduction to the major problems of American government, emphasizing such topics as the evolution of the constitution; majority rule and minority rights; parties and pressure groups; law and judicial organization and procedure; and current controversies about the "welfare state."

102b. *Comparative Government:* Dr. Wells and Miss Leighton.
An introduction to comparative government with special reference to the institutions of Britain and the Soviet Union but with appropriate materials drawn from American and other governments.

201a. *Modern Political Theory:* Mr. Bachrach.
An analysis of the basic problems of Western political thought from 1500 to the present. Among the theorists discussed are: Machiavelli, Hobbes, Locke, Rousseau, Burke, J. S. Mill, Hobhouse, Tawney, Marx, Lenin.

202a. *International Law:* Miss Leighton.
A study of the doctrines and practices of international law. Traditional material is considered in the context of contemporary society and in its relation to the problem of developing world law.

[203a. *Political Parties:* Dr. Wells.]

204b. *American Constitutional Law:* Mr. Bachrach.
A detailed analysis of selected Supreme Court decisions, mainly in the field of civil rights. Other topics covered are the commerce clause; the due process clauses; taxation; and the general problem of federalism.

205b. *International Organization:* Miss Leighton.
A survey of international political and functional organizations with especial emphasis on United Nations institutions. This course is intended to supplement Political Science 202a but may be taken separately with the permission of the Department.

[206b. *American State and Local Government:* Dr. Wells.]

301. *The Theory and Practice of Democracy:* Dr. Wells, Miss Stapleton, Dr. Hubbard and Dr. Stearns.
See Interdepartmental Course 301, p. 82.

302a. *Ancient and Medieval Political Theory:* Dr. Wells.
A history of Western political ideas from the beginnings to 1500. Greek, Roman and Patristic political thought; medieval theories of the relation of church and state; feudalism and constitutionalism.

[303. *Reconstruction in Western Europe:* Dr. Wells.]

304b. *Public Administration:* Dr. Wells.
Public administration in the modern state, American and comparative. Subjects covered: administrative organization, the legis-

lature and administration; public relations of administrative agencies; inter-governmental relations; government personnel problems; financial administration.

305b. *American Political Theory:* Mr. Bachrach.

While some attention is given to the English and colonial origins, the main emphasis of the course is on the development of American political ideas from 1750 to the present.

FINAL EXAMINATION

The final examination for students majoring in Political Science will consist of three three-hour papers each based upon a field in the major subject. The fields are to be selected from the following: American Government, Comparative Government, Political Theory, International Law and Organization. With the permission of the departments concerned, one of the papers for the final examination in Political Science may deal with an allied subject.

HONORS WORK

One unit of honors work in the Senior year may be taken by Political Science majors who are recommended by the Department. This involves a weekly conference, independent reading and research and a series of written reports on topics within the honors field.

Psychology

ASSOCIATE PROFESSORS:	MAGDA BLONDIAU ARNOLD, Ph.D.
	RACHEL DUNAWAY COX, Ph.D.
ASSISTANT PROFESSOR:	JOE KENNEDY ADAMS, Ph.D.
INSTRUCTORS:	MURRAY GORDON DE JERSEY, M.A.
	DOROTHY ELVIRA YATES, M.A.
DEMONSTRATOR:	EILEEN BEIER MAHER, M.A.

Students majoring in Psychology are required to take the first year course, all the second year courses, and of the advanced courses, either Psychology 301 or Psychology 302a and 302b.

Allied subjects: Anthropology, Biology, Mathematics, Philosophy, Physics, Sociology, and Statistics.

101. *General Psychology:* Dr. Arnold, Dr. Adams, and Miss Yates.

A systematic survey of the basic facts and principles in the various fields of psychology. Three lectures, two hours of laboratory a week.

201b. *Social Psychology:* Dr. Adams.

A study of the psychological determinants of social behavior. Three lectures a week. Prerequisite: Psychology 101.

202b. *Mental Tests and Measurements:* Dr. Cox.

Construction, use and interpretation of intelligence, aptitude and personality tests. Acquaints students with the leading instruments and gives opportunity for observation and testing. Three lectures, two hours of laboratory a week. Prerequisites: Psychology 101.

203a. *Comparative Psychology:* Mr. de Jersey.

A comparative study of the behavior of animals and men. Three lectures a week. Prerequisite: Psychology 101.

204a. *Experimental Psychology:* Dr. Adams and Mr. de Jersey.

A survey of the psychological processes (sensation, perception, attention) which have lent themselves most readily to experimental methods. Three lectures, four hours laboratory a week. Prerequisite: Psychology 101.

301. *Advanced Experimental Psychology:* Miss Yates.

Three hours a week will be devoted to discussion of representative experiments in sensation and perception and in learning and motivation, with emphasis upon theory and design. There will be about two hours of laboratory a week. Prerequisites: Psychology 101, 204a.

302a. *Clinical Psychopathology:* Dr. Arnold.

Concepts of "normality", types of abnormality, methods of investigation, and principles of psychotherapy. Three lectures a week. The field work connected with this course consists in attendance at the clinic conducted by Dr. Edward A. Strecker, Professor of Psychiatry, School of Medicine, University of Pennsylvania, one hour a week. Prerequisites: Psychology 101, 201a, 202b, 203a, 204b.

302b. *Psychology of Personality:* Dr. Arnold.

The study of the problems of development and organization of personality. Three lectures a week. Prerequisites: 101, 201b, 302a.

FINAL EXAMINATION

The final examination for students majoring in psychology is in three parts:

1. Theoretical and Systematic Psychology (required of all students).
2. Methods of investigation and analysis (required of all students).
3. An examination in one of the following fields:
 a. Personality normal and abnormal
 b. Learning and Motivation
 c. Sensation and Perception
 d. Mental Tests and Measurement

e. A written report on the results of a special investigation

f. An examination in an allied field, approved by the Department

HONORS WORK

One unit of honors work may be taken by students recommended by the Department.

Russian

ASSISTANT PROFESSOR: FRANCES DE GRAAFF, Ph.D.
INSTRUCTOR: OLGA LAMKERT

ASSOCIATE PROFESSOR OF ENGLISH: BETTINA LINN, M.A.

Students majoring in Russian are required to take Elementary and Intermediate Russian and two literature courses. In addition, they should take either Russian 203 (Russian Literature in Translation) or History 208 (History of Russia). If a student offers Russian for entrance, Russian 203 or History 208 may be substituted for one of the four required courses.

Allied subjects: History 208 (strongly recommended), 203, 301; Political Science 111b, 212a (or a course in Russian politics or economics which may be introduced); any language or literature, History of Art, Music, Philosophy.

UNDERGRADUATE COURSES

1. *Elementary Russian:* Dr. de Graaff.

101. *Intermediate Russian:* Dr. de Graaff.
Composition and conversation; reading in Russian literature and contemporary material. Prerequisite: Elementary Russian.

201. *Readings in Russian Literature:* Miss Lamkert.
Representative writers of the nineteenth century. Conducted mostly in Russian. Prerequisite: two years of Russian.

An advanced course, given in Russian, is selected from the following:

301. *Russian Poetry of the Nineteenth Century:* Dr. de Graaff.

302. *Pushkin and his Time:* Dr. de Graaff.

303. *Russian Literature of the Twentieth Century:* Dr. de Graaff.

304. *Social Trends in Nineteenth Century Russian Literature:* Dr. de Graaff.

FREE ELECTIVE COURSES

[202. *General Readings in Russian:* Miss Lamkert.]
Primarily intended for students who want a good reading knowledge of the language, but are not majoring in Russian. The reading texts cover a variety of subject matter, such as

history, economics, politics, science, as well as literature. Some lectures in Russian about the cultural background of Russia are included, with oral reports by the students and discussion of specific topics in Russian. Prerequisite: two years of Russian.

[203. *Russian Literature in Translation:* Miss Linn.]

The leading Russian writers of the nineteenth century in translations. Students registering for the course should read in the preceding summer the following novels: Dostoevsky's *Crime and Punishment,* Tolstoi's *War and Peace,* and two of Turgenev's novels.

FINAL EXAMINATION

The final examination for students majoring in Russian consists of three parts:

1. The Russian language: ability to speak and understand the spoken idiom; ability to translate from the Russian.
2. A period of Russian literature.
3. A paper on a single topic of Russian literature or a paper on an allied subject. The department is especially interested in allied subjects in the Social Sciences, which will be given as part of the Three College Program in Russian Studies.

HONORS WORK

Honors work is offered to students recommended by the Department.

Sociology and Anthropology

ASSOCIATE PROFESSOR
of ANTHROPOLOGY: FREDERICA DE LAGUNA, Ph.D.
Appointment to be announced

PROFESSOR OF
SOCIAL ECONOMY: FLORENCE PETERSON, M.A.
ASSOCIATE PROFESSOR
OF SOCIAL ECONOMY: HERTHA KRAUS, Ph.D.

Students majoring in Anthropology or Sociology are required to take the first year course (101), the second year course (201) and an additional half unit of second year work, and the third year course (310).

Allied subjects: Classical Archæology, Economics, History, Philosophy, Political Science, Psychology.

101. *Anthropology:* Dr. de Laguna.

Race classification and differences; human origins, the development of culture; contemporary primitive cultures and societies.

201. *Social Institutions:* Dr. de Laguna.

Informal social groupings, institutions, classes and castes in various countries, and ethnic groups in our society, with reference to structure and attitudes. Special attention is given to the Family as an institution.

202a. *Principles of Social Welfare:* Dr. Kraus.
Study of the principal social problems in modern industrial society and the means adopted for their solution by public and private agencies.

202b. *Child Welfare:* Dr. Kraus.
Basic problems and methods of providing social and health services for children.

203a. *The Labor Movement:* Miss Peterson.
History of the American Labor Movement with emphasis upon the political and economic factors which have influenced its development and present characteristics; causes of labor disputes and methods for settlement.

203b. *Employer-Labor Relations:* Miss Peterson.
Significance of collective bargaining; legal aspects; nature of the collective bargaining contract in various industries; wage determination; personnel policies and practices.

204. *American Archæology:* Dr. de Laguna.
Offered every other year: 1950-1951.

205. *Ethnology:* Dr. de Laguna.
Method and theory; cultural dynamics; relationship of the individual to culture.

310. *Social Theory:* Instructor to be announced.
Factors involved in the sociological interpretation of society and culture; nature of social interaction, control and change, with particular concern for the social problems involved.

FINAL EXAMINATIONS

The final examination for students majoring in Anthropolgy and/or Sociology is in three parts:

1. Cultural Anthropology.
2. Sociology.
3. A special field in either Anthropology or Sociology.

An examination in an allied field may be substituted for any one of the above examinations.

Spanish

DEAN OF THE COLLEGE:	DOROTHY NEPPER MARSHALL, Ph.D.
ASSOCIATE PROFESSOR:	MANUEL ALCALÁ, Litt.D.
LECTURER:	JOSÉ MARIA FERRATER MORA, *Licenciado.*
INSTRUCTOR:	MARGARITA ESTEVES, M.A.

Students majoring in Spanish are required to take the first year course, at least one of the full second year courses, and the two advanced courses (one of which must be taken in the junior year).

Allied subjects: any other language or literature, Economics, History, History of Art, Music, Philosophy, Political Science, and Sociology and Anthropology.

1. *Elementary Spanish:* Mr. Ferrater Mora and Miss Esteves. Spanish grammar, composition and conversation; reading on the Spanish and Spanish-American background.

2. *Elementary Spanish:* Dr. Alcalá. A five-hour course, including two hours of intensive practice in sight translation and rapid reading. One credit and a half.

3. *Intermediate Spanish and Composition:* Miss Esteves. Intensive grammar review and exercises in composition and conversation.

101. *Introduction to Spanish Literature:* Miss Esteves. The Romantic and Modern periods.

[201. *Second Year Spanish Literature.*]

[202. *The Spanish Lyric:* Dr. Alcalá.] Lyrical poetry in the Hispanic countries from the beginnings to the present day. Collateral reading and reports.

202c. *Advanced Spanish Composition:* Mr. Ferrater Mora. Reading in Cervantes and the dramatists of the Golden Age with intensive practice in writing.

203. *The Spanish Novel:* Dr. Marshall. The history of the novel in Spain from the beginnings to the present day. Collateral reading and reports.

301a. *The Age of Cervantes:* Dr. Alcalá.

301b. *Spanish Drama of the Golden Age:* Mr. Ferrater Mora.

[303. *Spanish Thought of the Nineteenth and Twentieth Centuries:* Mr. Ferrater Mora.]

JUNIOR YEAR ABROAD

Students who major in Spanish may be recommended by the Department for the Junior Year in Mexico under the direction of Smith College.

FINAL EXAMINATION

The final examination for students majoring in Spanish consists of three parts:

1. An oral examination consisting of the explanation and interpretation of a Spanish text in Spanish.
2. A three-hour written examination in Spanish on a period in Spanish literature, such as the Renaissance, Romanticism, or on Spanish-American literature.
3. A three-hour written examination in Spanish on the development of a literary genre, such as the drama, the novel, the lyric, through Spanish literature *or* a similar examination on an allied subject related to the student's Spanish field.

HONORS WORK

Honors work is offered to students recommended by the department.

Interdepartmental Courses

The following courses are given by several departments in co-operation. The object is to cut across well defined areas of knowledge and to show the relationships existing among them.

[202. *Aspects of Eighteenth Century Life and Thought:* Dr. Manning, Dr. Northrop, Miss Stapleton.]

[203. *The Development of Scientific Thought:* Dr. Wyckoff, Dr. Oppenheimer.]

The study of the development of scientific ideas and techniques in chronological sequence, and their origins, interrelationships, and impact on other intellectual activities of various periods. Open to students who have had one year of laboratory science in college. (This course is also listed as Biology 307 and Geology 306*.)

301. *The Theory and Practice of Democracy:* Dr. Wells, Miss Stapleton, Dr. Stearns, Dr. Hubbard.

The fundamental concepts of democracy and their expression in governmental institutions; their relationship to contemporary political problems. Open to juniors and seniors who have taken one year of History, Economics, Political Science or Philosophy. and to other students with the permission of the instructors. (This course is also listed as Political Science 301.)

Physical Education

DIRECTOR: IRENE A. CLAYTON, M.S.
INSTRUCTORS: ETHEL M. GRANT
JANET YEAGER
EMELIA-LOUISE KILBY, M.A.

Through the offerings in the Physical Education Department, students are given opportunities to participate in varied fields of both individual and team sports, dance and aquatic activities. Class instruction during the first two years enables the student to learn new skills or to improve her techniques. Interclass, Interdormitory, and Varsity schedules of games and tournaments offer all students the experience of competition in sports. Creative interest in Modern Dance is encouraged through class work and extra-curricular programs. In cooperation with the Athletic Association, the Department sponsors Square Dance nights and Winter Sports trips. It seeks the interests of students in furthering bicycle trips and canoe trips and other types of informal recreational activities.

The freshman requirement in Physical Education consists of three periods a week throughout the year; for the fall and winter

terms one of these periods will be given over to the study of fundamental principles of good movement. The sophomore requirement consists of two periods a week throughout the year. All students must complete the freshman and sophomore requirements satisfactorily, and must pass the swimming test administered to every new student at the beginning of the year unless she is excused by the college physician. Students unable to pass this test are expected to register for beginning swimming. All classes are open to election by upperclassmen.

Seasonal offerings of the Department from which election may be made are:

Fall: archery, beginning swimming, fencing, hockey, modern dance, riding, and tennis.

Winter: badminton, basketball, fencing, folk dance, modern dance, skating, swimming, American Red Cross Senior Life Saving and Instructor's courses, and volleyball.

Spring: archery, baseball, fencing, lacrosse, modern dance, riding, swimming, golf, and tennis.

Swimming test: one standing dive, back float two minutes, tread water one minute, bobbing twice, and swimming any stroke twenty minutes.

SCHOLARSHIPS AND AWARDS

Scholarships and awards fall into two main groups: those which are awarded solely for distinction in academic work, and those which are awarded for both distinction in academic work and need of financial aid. The former group is listed first, followed by the latter, which is subdivided according to the years in which the scholarships and awards may be held.

Applications

Applications are required for all scholarships except those awarded solely for distinction in academic work. Applications for Alumnæ Regional Scholarships should be made by March 15 preceding entrance to College. Forms may be obtained from the Alumnæ Scholarships and Loan Fund Committee, Alumnæ Office, The Deanery, Bryn Mawr, Pennsylvania. Applications for other entrance scholarships should be made by March 15 preceding admission to College on forms obtainable from the Director of Admissions. Applications for other scholarships should be made by March 15 preceding the academic year in which the scholarships are held. Forms are obtainable from the Dean of the College.

In general, nominations for scholarships are made by the Faculty Committee on Undergraduate Scholarships and by the Scholarships and Loan Fund Committee of the Alumnæ Association of Bryn Mawr College. Funded scholarships are awarded according to the expressed wishes of the donors. The Alumnæ Regional Scholarships are administered by local alumnæ committees. The holders of a few college scholarships are nominated directly by the President and those of a few others are nominated by outside organizations. All nominations must be approved by the Board of Directors. It is sometimes possible to supplement scholarship awards by additional grants.

Awards Made for Distinction in Academic Work

The Bryn Mawr European Fellowship, value $800, founded in 1889, is awarded annually to a member of the graduating class, to be applied toward the expenses of one year's study at some foreign university. For the present, it may be held in an American university. The holder of this fellowship receives in addition an Elizabeth S. Shippen Scholarship of the value of $200.

The Catherwood Foundation Fellowship, value $1000, to be given in 1949 and again in 1950, will be awarded by vote of the Faculty to a Senior for her first year of graduate study.

The Maria L. Eastman Brooke Hall Memorial Scholarship, value $150, founded in 1901 in memory of Maria L. Eastman, Principal of Brooke Hall School for Girls, Media, Pennsylvania.

by the alumnæ and former pupils of the school, is awarded annually to the member of the junior class with the highest general average and is held during the senior year.

The Charles S. Hinchman Memorial Scholarship, value $500, was founded in 1917 in memory of the late Charles S. Hinchman of Philadelphia by his family. It is awarded annually to a member of the junior class for work of special excellence in her major subject and is held during the senior year.

The Elizabeth S. Shippen Scholarships were founded in 1915 by the bequest of Elizabeth S. Shippen of Philadelphia. Three scholarships are awarded annually, one to the member of the senior class who receives the Bryn Mawr European Fellowship (see page 76), and two to members of the junior class, as follows: 1. *The Shippen Scholarship in Science,* value $100, to a student whose major subject is Biology, Chemistry, Geology, or Physics; 2. *The Shippen Scholarship in Foreign Languages,* value $100, to one whose major subject is French, German, Greek, Italian, Latin, or Spanish. To be eligible for either of these two scholarships a student must have completed at least one semester of the second year course in her major subject. Neither can be held by the winner of the Charles S. Hinchman Memorial Scholarship. Work in elementary courses will not be considered in awarding the scholarship in foreign languages.

The Sheelah Kilroy Memorial Scholarships in English were founded in 1919 in memory of their daughter Sheelah, by Dr. and Mrs. Philip Kilroy. They are awarded annually on the recommendation of the Department of English as follows: $150 to a student for excellence of work in second year or advanced courses in English, and $50 to the student in the required course in English Composition who writes the best essay during the year.

The Elizabeth Duane Gillespie Scholarship in American History, value $75, was founded in 1903 by the Pennsylvania Society of Colonial Dames of America in memory of Elizabeth Duane Gillespie. It is awarded annually on nomination by the Department of History to a member of the sophomore or junior class who has done work of distinction in History and takes one course in American History during her junior or senior year.

The M. Carey Thomas Essay Prize is awarded annually to a member of the senior class for distinction in writing. Students competing for the prize must submit manuscripts by May 1. The award will be made by the Department of English and may be given for either creative or critical writing.

The Katherine Fullerton Gerould Memorial Prize of from $40 to $50 was founded in 1946 and is awarded on May Day of each year in which material submitted justifies such award. It is open to any student showing evidence of creative ability in the fields of informal essay, short story, longer narrative, verse or playwriting.

The Jeanne Quistgaard Memorial Prize was given by the Class of 1938 in memory of their classmate, Jeanne Quistgaard, who died June 23, 1937. It may be awarded every two years to a student in Economics.

The Esther Walker Award was founded by the bequest of William John Walker in memory of his sister, Esther Walker, of the Class of 1910. It may be given annually to a member of the senior class who in the judgment of the Faculty shall have displayed the greatest proficiency in the study of living conditions of Northern Negroes.

SCHOLARSHIPS AWARDED AT ENTRANCE AND TENABLE FOR FOUR YEARS

National Scholarships are awarded annually by the Seven Women's Colleges (Barnard, Bryn Mawr, Mount Holyoke, Radcliffe, Smith, Vassar, and Wellesley). One scholarship, varying in amount from $100 to full expenses for tuition and residence, is given annually by each of the colleges in each of three areas: the west coast (Washington, Oregon, and California); three midwestern states (Kansas, Missouri, and Nebraska); and four southern states (Louisiana, New Mexico, Oklahoma, and Texas). The National Scholarships at Bryn Mawr are supported in large part by the Fanny R. S. Peabody Fund.

The applicant for the National Scholarships may list the seven colleges in order of her preference but should be willing to go to that one of the seven to which she is assigned by a Committee of Selection. Applicants for National Scholarships must apply before January 31, 1951 to Mrs. F. Murray Forbes, Jr., 21 Beaver Place, Boston 8, Massachusetts.

The Bryn Mawr Alumnæ Regional Scholarships, for varying amounts up to $650 each, are awarded in the several districts of the Alumnæ Association of Bryn Mawr College to candidates of exceptional ability who cannot meet in full the fees of the College. Application should be made before March 15 preceding entrance into College. Blanks may be obtained from the Alumnæ Scholarships and Loan Fund Committee, Alumnæ Office, The Deanery, Bryn Mawr, Pennsylvania. Awards are announced soon after the incoming students have been notified of their admission to the College. Holders of these scholarships who maintain a high standard of scholarship and conduct are assured further assistance either from local alumnæ committees or from the College.

The Trustees' Scholarships, four in number, carrying free tuition, and tenable for four years, are made available by the Trustees of Bryn Mawr College for students prepared in the high schools of Philadelphia and its suburbs. Two of these scholarships are awarded annually to candidates who have received all their preparation for entrance in Philadelphia high schools and are recommended by the Board of Public Education of Philadelphia; two are awarded annually to candidates who have received all their

preparation for entrance in public schools in the suburbs of Philadelphia and are recommended by the Director of Admissions after consultation with the principals of the schools presenting candidates.

The City Scholarships, value $200 each, are awarded to graduates of Philadelphia high schools nominated by the Board of Public Education of Philadelphia.

The Lidie C. B. Saul Scholarship, value $200, tenable for four years, is given by the Alumnæ Association of the Girls' High School and Normal School of Philadelphia. It is awarded every four years to the graduate of the Girls' High School who enters Bryn Mawr College with the highest grade of that year.

The Minnie Murdock Kendrick Memorial Scholarship, carrying free tuition, and tenable for four years, was founded in 1916 by bequest of George W. Kendrick, Jr. It is awarded every four years to a candidate nominated by the Board of Public Education of Philadelphia.

The Foundation Scholarships, carrying free tuition, and tenable for four years, may be awarded annually, upon conditions, so far as possible, similar to the Trustees' Scholarships, to members of the Society of Friends who cannot meet the full expenses of tuition and residence.

The Frances Marion Simpson Scholarships, carrying free tuition and tenable for four years, were founded in 1912 in memory of Frances Simpson Pfahler of the Class of 1906 by Justice Alexander Simpson, Jr. One scholarship is awarded each year to a member of the entering freshman class who cannot meet in full the fees of the College. In awarding these scholarships first preference is given to residents of Philadelphia and Montgomery counties who have been prepared in the public schools of these counties or at home by parents or guardians, thereafter, under the same conditions, to residents of other counties of Pennsylvania, and, in special cases, to candidates from other localities. Holders of these scholarships are expected to repay the sums advanced to them. If they become able during their college course to pay the tuition fees in whole or in part they are required to do so.

The Gertrude Howard McCormick Scholarship Fund was established in 1950 by gift of Gertrude Howard McCormick. The scholarship, value $1000, is to be awarded to a student of excellent standing, preferably for her Freshman year. If she maintains excellent work in college she may continue to receive scholarship aid through her Sophomore, Junior and Senior years.

The Charles E. Ellis Scholarship, value $650, awarded every four years and tenable for four years, was founded in 1909 by bequest of the late Charles E. Ellis. It is awarded on the recommenda-

tion of the Superintendent of Public Schools of the City of Philadelphia subject to the approval of the Board of Directors and Trustees of Bryn Mawr College, to a student educated in the Philadelphia Public Schools.

The Chinese Scholarship, awarded every four years and tenable for four years, comes in part from the annual income of a fund established in 1917, and later increased, by a group of alumnæ and friends of the College in order to maintain a Chinese student during her four undergraduate years at Bryn Mawr College.

Special Trustees' Scholarships, carrying free tuition and tenable for four years, may be awarded annually to European students.

Other Scholarships, provided through gifts from friends of Bryn Mawr College, are awarded in accordance with the terms of the gift.

SCHOLARSHIPS AWARDED AT THE END OF THE FRESHMAN YEAR TENABLE FOR THREE YEARS

The Leila Houghteling Memorial Scholarship, value $400, was founded in 1929 in memory of Leila Houghteling of the Class of 1911 by members of her family and a group of her contemporaries. It is awarded every three years on the nomination of the Alumnæ Scholarships and Loan Fund Committee to a member of the freshman class in need of financial assistance and is held during the remaining three years of her college course.

The Jeannette Peabody Cannon Memorial Scholarship Fund was established in 1949 in memory of Jeannette Peabody Cannon of the Class of 1919 through the efforts of the New England Alumnæ Regional Scholarship Committee, of which she was a member for twenty years. The income from this fund is to be used for a scholarship to be awarded every three years at the termination of the Freshman year on the nomination of the Alumnæ Scholarship Committee to a promising member of the Freshman Class whose residence is in one of the New England states and who needs financial assistance. The scholarship may be held during the remaining three years of her college course providing a high standard is maintained.

SCHOLARSHIPS TENABLE IN THE FRESHMAN YEAR

The Amy Sussman Steinhart Scholarship, carrying free tuition, was founded in 1931 in memory of Amy Sussman Steinhart of the Class of 1902 by her family and friends. It is awarded annually to a student from one of the states on the west coast.

The Louise Hyman Pollak Scholarship, carrying free tuition, was founded in 1931 by the Board of Trustees from a bequest by Louise Hyman Pollak of the Class of 1908. It is awarded annually to a student from one of the central states east of the Mississippi River. Preference is given to residents of Cincinnati.

The Undergraduate Scholarship, raised and awarded by the Undergraduate Association in consultation with the President and the Director of Admissions is awarded each year to a foreign student entering Bryn Mawr. The award is variable in amount but covers as a minimum the cost of tuition.

The Alice Day Jackson Scholarships, representing the income from a fund given in 1930 by the late Percy Jackson in memory of his wife, Alice Day Jackson, are variable in amount and are awarded on recommendation of the Director of Admissions.

The Clara Bertram Little Memorial Scholarship, value $400, was founded in 1947 by Eleanor Little Aldrich in memory of her mother. It is to be held by a student from New England selected by the President on the basis of merit and financial need.

The Bryn Mawr School Scholarship, value $300, instituted in 1885 by the Board of Managers of The Bryn Mawr School, of Baltimore, Maryland, is offered annually to the graduate of the Bryn Mawr School who has completed the school course with the most distinction and enters Bryn Mawr College.

The Lillia Babbitt Hyde Foundation Scholarships in Science and Pre-Medical Studies, value $650, were given in 1949. Two entrance scholarships will be awarded to Freshmen on the basis of need and excellence in Science.

SCHOLARSHIPS TENABLE IN THE SOPHOMORE YEAR

The James E. Rhoads Memorial Sophomore Scholarship, value $650, was founded in 1897 in memory of the first President of the College, Dr. James E. Rhoads, by the Alumnæ Association of Bryn Mawr College. It is awarded annually to a student who has attended lectures at Bryn Mawr College not less than one semester, has done excellent work, and expresses her intention of fulfilling the requirements for the degree of Bachelor of Arts at Bryn Mawr College.

The Maria Hopper Scholarships, two in number, value $200 each, were founded in 1901 by bequest of Maria Hopper of Philadelphia, and are awarded annually.

The Regina Katharine Crandall Scholarship was established in 1950 by a group of her students as a tribute to Regina Katharine Crandall, Margaret Kingsland Haskell Professor of English Composition, 1918-33. The income from this fund is to be awarded on the recommendation of the English Department of Bryn Mawr College to a Sophomore who in her written English has shown ability and promise, and who needs assistance to continue her college work.

SCHOLARSHIPS TENABLE IN THE JUNIOR YEAR

The James E. Rhoads Memorial Junior Scholarship, value $650, was founded in 1897 in memory of the first President of the College, Dr. James E. Rhoads, by the Alumnæ Association of

Bryn Mawr College. It is awarded annually to a student who has attended lectures at Bryn Mawr College not less than three semesters, has done excellent work, and expresses her intention of fulfilling the requirements for the degree of Bachelor of Arts at Bryn Mawr College.

The Anna Hallowell Memorial Scholarship, value $100, was founded in 1912 in memory of Anna Hallowell by her family. It is awarded annually to the student in need of aid who has the highest academic record.

The Mary E. Stevens Scholarship, value $500, founded in 1897 in memory of Mary E. Stevens by former pupils of her school, is awarded by the President of the College.

The Jeanne Crawford Hislop Memorial Scholarship, value $200 and annual accrued interest from the fund, was given in memory of Jeanne Crawford Hislop of the Class of 1940 by Mr. and Mrs. John H. Hislop and Mrs. Frederic W. Crawford. This scholarship may be renewed for the senior year.

SCHOLARSHIPS TENABLE IN THE SENIOR YEAR

The Anna M. Powers Memorial Scholarship, value $200, was founded in 1902 in memory of Anna M. Powers by her daughter, the late Mrs. J. Campbell Harris.

The Thomas H. Powers Memorial Scholarship, value $200, was founded in 1922 in memory of Thomas H. Powers by his daughter, the late Mrs. J. Campbell Harris.

SCHOLARSHIPS TENABLE IN THE SOPHOMORE, JUNIOR, OR SENIOR YEAR

The Mary Anna Longstreth Memorial Scholarship, carrying free tuition, was founded in 1913 in memory of Mary Anna Longstreth by alumnæ and children of alumnæ of the Mary Anna Longstreth School and by a few of her friends.

The Anna Powers Memorial Scholarship, value $150, was founded in 1919 in memory of Anna Powers of the Class of 1890 by her sister, Mrs. Charles Merrill Hough.

The Constance Lewis and Martha Rockwell Moorhouse 1904 Memorial Scholarship, value $500, has been given in memory of Constance Lewis and Martha Rockwell Moorhouse of the Class of 1904.

The Amelia Richards Scholarship, value $500, was founded in 1921 in memory of Amelia Richards of the Class of 1918 by bequest of her mother, Mrs. Frank P. Wilson. It is awarded annually by the Trustees on the nomination of the President.

The George Bates Hopkins Memorial Scholarships, two in number, value $200 each, were founded in memory of her father by Mrs. Elizabeth Hopkins Johnson, and are awarded annually.

Preference is given to students of Music and, in default of these, to students majoring in History, and thereafter to students in other departments.

The Elizabeth Wilson White Memorial Scholarship, value $300, was founded in 1923 in memory of Elizabeth Wilson White by Mr. Thomas Raeburn White. It is awarded annually by the President.

The Abby Slade Brayton Durfee Scholarship, value $200, was founded in 1924 in honor of his wife by bequest of Randall Nelson Durfee. Preference in awarding it is given to candidates of English or American descent and to descendants of the Class of 1894.

The Misses Kirk Scholarship, value $100, was founded in 1929 in honor of the Misses Kirk by the Alumnæ Association of the Kirk School.

The Evelyn Hunt Scholarships, two in number, value $200 each, were founded in 1931 in memory of Evelyn Hunt of the Class of 1898 by bequest of Eva Ramsay Hunt.

The Mary McLean and Ellen A. Murter Memorial Fund was founded in 1933 in memory of her two aunts by bequest of Mary E. Stevens of Germantown, Philadelphia. By vote of the Board of Directors the income is used for an annual scholarship, value $200.

The Lila M. Wright Memorial Scholarship, value $100, was founded in 1934 in memory of Lila M. Wright by the alumnæ of Miss Wright's School.

The Shippen Huidekoper Scholarship, value $200, was founded in 1936, and is awarded annually on the nomination of the President.

The Anna Margaret Sloan and Mary Sloan Scholarships, two in number, value $300 each, were founded in 1942 by bequest of Mary Sloan of Pittsburgh. They are awarded annually to students majoring in Philosophy or Psychology.

The Mary Williams Sherman Memorial Scholarship, value $100, was founded in 1942 by bequest of Bertha Williams of Princeton, New Jersey.

The Lorenz-Showers Scholarship Fund, value $100, was established in 1943 by Justina Lorenz Showers of Dayton, Ohio, of the Class of 1907, in honor of her parents, Edmund S. Lorenz and Florence K. Lorenz, and of her husband, John Balmer Showers.

The Jacob Orie and Elizabeth S. M. Clarke Memorial Scholarship, value $200, was established in 1948 from the estate of Elizabeth Clarke, to be awarded annually to a student born in the United States or any of its territories.

The Book Shop Scholarships are awarded annually from the profits of the Bryn Mawr College Book Shop and from the income from the Book Shop Fund.

The Jacob Fussell Byrnes and Mary Byrnes Fund was founded, in 1948 in memory of her father and mother, by a bequest of Esther Fussell Byrnes of the Class of 1891. By vote of the Board of Directors the income is to be used for annual scholarships for students in need of financial aid.

The Jessie Ball du Pont Scholarship, given in 1948, is to be awarded for three years to a student or students from Virginia. The gift of $3000 is to provide scholarships for three years.

The Julia Langdon Loomis Scholarship, given in 1948 in memory of Julia Langdon Loomis of the Class of 1895, is to be awarded to a student from New Jersey. The gift of $2000 is to provide scholarships for four years.

The Lillia Babbitt Hyde Foundation Scholarships in Science and Pre-Medical Studies, value $650, were given in 1949. Two scholarships will be awarded to Juniors or Seniors majoring in Biology, Chemistry or Physics who need financial aid and have demonstrated ability.

The Mary Hamilton Swindler Scholarship was established in 1950 by a group of her friends and former students in honor of Mary Hamilton Swindler, Professor of Classical Archæology from 1931 to 1949. The income from this fund is to be used for a scholarship for the study of Archæology at Bryn Mawr College.

The Alice Perkins Coville Scholarship was established in 1948 by Agnes Frances Perkins for her sister, Alice Perkins Coville. The income from this scholarship fund is to be used to aid a deserving student in need of financial assistance.

OTHER AWARDS

The Alice Ferree Hayt Memorial Awards, given in 1922, are awarded annually by Mrs. E. Todd Hayt.

The Susan Shober Carey Award, value $100, was founded in memory of Susan Shober Carey by a gift of the Class of 1925, and is awarded annually by the President.

The Mary Peabody Williamson Scholarship, value $100, was founded in 1939 by bequest of Mary Peabody Williamson of the Class of 1903.

The Georgie W. Yeatman Scholarship, value $40, was founded in 1941 by bequest of Georgie W. Yeatman of Philadelphia.

SCHOLARSHIPS FOR MEDICAL STUDY

The Hannah E. Longshore Memorial Medical Scholarship was founded by Mrs. Rudolph Blankenburg in memory of her mother. The scholarship is awarded by a committee of the Faculty to a student who has been accepted by a medical school, and may be renewed for each year of medical study. Applications should be

made in writing to the Dean of the College, stating the extent of the applicant's financial need, and her intention to engage in medical practice. Applications for renewal should include letters of recommendation from instructors in the medical school.

The Jane V. Myers Memorial Medical Scholarship was founded by Mrs. Rudolph Blankenburg in memory of her aunt. The scholarship is awarded by a committee of the Faculty to a student who has been accepted by a medical school, and may be renewed for each year of medical study. Applications should be made in writing to the Dean of the College, stating the extent of the applicant's financial need, and her intention to engage in medical practice. Applications for renewal should include letters of recommendation from instructors in the medical school.

The Linda B. Lange Fund was founded in 1948 by bequest of Linda B. Lange, of the Class of 1903. The income from this Fund will provide the Anna Howard Shaw Scholarship in Medicine and Public Health to be awarded on recommendation of the President and Faculty to a member of the graduating class or a graduate of the College for the pursuit, during an uninterrupted succession of years, of studies leading to the degrees of M.D. and Doctor of Public Health. The award may be continued until the degrees are obtained.

The Harriet Judd Sartain Memorial Scholarship Fund was founded in 1948 by bequest of Paul J. Sartain. The income from this Fund is to establish a scholarship which will be awarded to a member of the graduating class who in the judgment of the Faculty needs and is deserving of assistance for the study of medicine. This scholarship may be continued for the duration of her medical course.

STUDENTS' LOAN FUND

The Students' Loan Fund of the Alumnæ Association of Bryn Mawr College was founded by the Class of 1890 for the use of students who need to borrow money in order to continue their college work and for the purpose of receiving contributions, no matter how small, from those who are interested in helping students to obtain an education. The fund is managed by the Alumnæ Scholarships and Loan Fund Committee.

The committee in administering this money follows a definite policy, designed to serve the best interests of the students concerned. Loans may be used for any purpose approved by the committee, who strongly recommend the borrowing of small sums to relieve undue financial pressure, or to meet special emergencies. As a rule, money is not loaned to freshmen or to students in their first year of graduate work. No student may borrow more than an aggregate amount of $600 during her entire college course.

The terms under which money is loaned are as liberal as is consistent with business-like principles. While the student is in College interest is charged at the rate of one per cent; after the student leaves College the interest rate is two per cent. The entire principal must be repaid within five years from the time the student leaves College at the rate of twenty per cent each year.

Contributions to the Loan Fund may be sent to the Chairman of the Scholarships and Loan Fund Committee, Alumnæ Office, The Deanery, Bryn Mawr, Pennsylvania. Students who wish to borrow from the Loan Fund may obtain application blanks for this purpose from the Alumnæ Office, which is situated on the second floor of the Deanery.

MARY HILL SWOPE LOAN FUND

This was established June 1, 1945 by a gift of Mrs. Gerard Swope (Mary Hill, A.B. 1896) under the following conditions:

To assist in the education of young women irrespective of color or creed attending Bryn Mawr College, the income of the fund to be loaned to students in the following manner:

1. The following order of preference shall be followed in awarding such loans:
 A. To students coming from New Jersey.
 B. To students coming from Missouri.
 C. To students coming from any other location who have had not less than one year of residence at the College.
2. The loans in the above order of preference, and in the following manner, shall be awarded by the President of Bryn Mawr College, or by a Committee appointed by her from time to time.
3. Applicants for loans shall be considered not only from the standpoint of academic attainment and financial need, but also from the standpoint of character and personal qualifications for deriving the greatest good from a continuation of their studies.
4. These loans shall be used primarily to enable the exceptional student to continue her studies which otherwise would be prevented through lack of means.
5. In the awarding of the loans, the recipient should understand that if in after years she is in a position to do so, she is to repay to the income account of the Loan Fund the amount so loaned to her, with or without interest. It is to be understood that this is entirely a moral obligation upon the recipient.

THE BUREAU OF RECOMMENDATIONS

The College conducts a Bureau of Recommendations for alumnæ, students, and former students of the College. This bureau offers an employment service for permanent, temporary, and part-time positions; and a vocational service for the student body, which includes vocational tests, assistance in choosing a vocation, and the presentation of a series of conferences and lectures. It also acts as a clearing house for letters of recommendation for those who have registered with the bureau. These letters will be sent, upon request, to prospective employers and other agencies.

BEQUEST FORM

The Trustees of Bryn Mawr College will welcome any gift, bequest, or award which is to be devoted to general endowment, or to the endowment of professors' chairs, scholarships, or fellowships in accordance with the wishes of the donor. Such funds may constitute memorials to the donor or to any person he may name. The sum of $200,000 will endow a professor's chair and the sum of $18,000 yields sufficient income to provide the present tuition for one student at Bryn Mawr College.

Form of Bequest

I give and bequeath to the Trustees of Bryn Mawr College, a corporation established by law in the Commonwealth of Pennsylvania, the sum of.....to be invested and preserved inviolably for the endowment of Bryn Mawr College, located at Bryn Mawr, Pennsylvania.

.....

Date.....

Bryn Mawr College

CALENDAR

GRADUATE COURSES

ISSUE FOR THE SESSION OF

1950 . 1951

JUNE 1950

FOREWORD

Bryn Mawr College was founded by Dr. Joseph Taylor of Burlington, New Jersey. During his lifetime the site of the College at Bryn Mawr, Pennsylvania, eleven miles west of Philadelphia, was purchased and the buildings were begun. At his death in January, 1880, he left the greater part of his estate for the maintenance of this institution of higher education for women. In 1880 the College was incorporated under the laws of the Commonwealth of Pennsylvania and was invested with the power to confer degrees. In 1883 the Trustees issued a circular of information. In 1884 Dr. James E. Rhoads was elected President of the College and Dr. M. Carey Thomas was elected Dean of the Faculty. Plans were then matured and academic appointments were made. In the autumn of 1885 the College began its first academic year. On the resignation of President Rhoads in 1893 Dean Thomas was elected to the presidency, an office she held till her retirement in 1922. President Marion Edwards Park succeeded President Thomas in 1922 and retired in 1942. President Katharine Elizabeth McBride took office on July 1, 1942.

The Graduate School of Bryn Mawr College gives advanced instruction and fosters research in the fields of ancient and modern languages and literatures, art and archæology, mathematics and the natural sciences, the social sciences, philosophy and psychology, and education. The College offers special opportunities to its graduate students to investigate problems in small seminaries under the personal direction of members of the faculty. It has been the policy of the Trustees to provide in every fully organized department for graduate as well as undergraduate study.

Bryn Mawr College confers the degrees of Bachelor of Arts, Master of Arts, Master of Social Service, and Doctor of Philosophy.

CALENDAR

1950-51

SEPTEMBER

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COLLEGE CALENDAR

1950-51

1950

FIRST SEMESTER

September	30.	Graduate Center open to new graduate students at 9 A.M. Registration of new graduate students Deferred, condition and auditors' examinations end
October	1.	Halls of Residence open to all returning graduate students at 2 P.M.
	2.	Registration of students
	3.	Work of the 66th academic year begins at 8.45 A.M.
	14.	German examinations for undergraduates, M.A. and Ph.D. candidates
	*21.	French examinations for undergraduates, M.A. and Ph.D. candidates
	28.	Spanish and Italian examinations for undergraduates, M.A. and Ph.D. candidates Statistics examinations for M.A. candidates
November	4.	Hygiene examination
	22.	Thanksgiving holiday begins after last class
	27.	Thanksgiving holiday ends at 9 A.M.
December	22.	Christmas vacation begins at 12.45 P.M.

1951

January	8.	Christmas vacation ends at 9 A.M.
	13.	German examinations for Seniors conditioned, M.A. and Ph.D. candidates
	19.	Last day of lectures
	*20.	French examinations for Seniors conditioned, M.A. and Ph.D. candidates
	22.	Collegiate examinations begin
	27.	Spanish and Italian examinations for Seniors conditioned, M.A. and Ph.D. candidates Statistics examinations for M.A. candidates
February	3.	Collegiate examinations end

SECOND SEMESTER

February	6.	Work of the second semester begins at 9 A.M.
March	23.	Spring vacation begins after last class
April	2.	Spring vacation ends at 9 A.M. Deferred examinations begin
	7.	Deferred examinations end
	21.	French examinations for undergraduates, Ph.D. candidates, and M.A. candidates for 1952
	*28.	Spanish and Italian examinations for undergraduates, Ph.D. candidates, and M.A. candidates for 1952
May	5.	German examinations for undergraduates, Ph.D. candidates, and M.A. candidates for 1952
	18.	Last day of lectures
	21.	Collegiate examinations begin
June	1.	Collegiate examinations end
	3.	Baccalaureate service
	5.	Conferring of degrees and close of 66th academic year

* Additional language examinations (Greek, Russian, etc.) will be scheduled during this period in relation to other examinations of the students concerned.

CALENDAR
1951-52

SEPTEMBER

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NOVEMBER

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1952
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FEBRUARY

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APRIL

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MAY

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JUNE

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COLLEGE CALENDAR
1951-52

FIRST SEMESTER

1951

September 29. Graduate Center open to new graduate students at 9 A.M.
Registration of new graduate students

September 30. Halls of Residence open to all returning graduate students at 2 P.M.

October 1. Registration of students

2. Work of the 67th academic year begins at 8.45 A.M.

November 21. Thanksgiving holiday begins after last class

26. Thanksgiving holiday ends at 9 A.M.

December 21. Christmas vacation begins at 12.45 P.M.

1952

January 7. Christmas vacation ends at 9 A.M.

18. Last day of lectures

21. Collegiate examinations begin

February 2. Collegiate examinations end

SECOND SEMESTER

February 5. Work of the second semester begins at 9 A.M.

March 28. Spring vacation begins after last class

April 7. Spring vacation ends at 9 A.M.

May 16. Last day of lectures

19. Collegiate examinations begin

30. Collegiate examinations end

June 3. Conferring of degrees and close of 67th academic year

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THE TRUSTEES OF BRYN MAWR COLLEGE

CHARLES J. RHOADS
President

THOMAS RAEBURN WHITE
FREDERIC H. STRAWBRIDGE
Vice-Presidents

J. HENRY SCATTERGOOD
Treasurer

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Secretary

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FREDERIC H. STRAWBRIDGE
RICHARD MOTT GUMMERE
J. HENRY SCATTERGOOD
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FRANCIS J. STOKES
J. EDGAR RHOADS
S. CANBY BALDERSTON
ELIZABETH GRAY VINING[3]
FREDERIC C. SHARPLESS
HENRY JOEL CADBURY

BOARD OF DIRECTORS

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President

CAROLINE MCCORMICK SLADE[4]
RICHARD MOTT GUMMERE
Vice-Presidents

J. HENRY SCATTERGOOD
Treasurer

AGNES BROWN LEACH[1]
Secretary

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KATHARINE ELIZABETH MCBRIDE
CAROLINE MCCORMICK SLADE[4]
JOSEPHINE YOUNG CASE[5]
ADELAIDE W. NEALL
ELEANOR LITTLE ALDRICH[6]
ELEANOR A. BLISS
MARJORIE MARTIN TOWNSEND[7]
Alumnæ Director, 1945-50
HELEN TREDWAY GRAHAM[8]
Alumnæ Director, 1946-51
JEAN T. PALMER
Alumnæ Director, 1947-52
HELEN HILL MILLER[9]
Alumnæ Director, 1948-53
ELEANOR NEWELL BURRY[10]
Alumnæ Director, 1949-54

MARION EDWARDS PARK, by invitation
President Emeritus of Bryn Mawr College

SERENA HAND SAVAGE,[11] by invitation
President of Alumnæ Association

HILDA THOMAS MUMFORD,[12] by invitation March 17, 1950
President of Alumnæ Association March 15, 1950

1 Mrs. Henry Goddard Leach.
2 Mrs. Rustin McIntosh.
3 Mrs. Morgan Vining.
4 Mrs. F. Louis Slade.
5 Mrs. Everett N. Case.
6 Mrs. Talbot Aldrich.
7 Mrs. Harold E. Townsend.
8 Mrs. Evarts Graham.
9 Mrs. Helen Hill Miller.
10 Mrs. William Burry.
11 Mrs. William J. Savage. Deceased February 24, 1950.
12 Mrs. Thomas D. Mumford.

Standing Committees of the Board of Directors, 1950

Executive Committee

THOMAS RAEBURN WHITE
Chairman
CAROLINE MCCORMICK SLADE
Vice-Chairman
CHARLES J. RHOADS
J. HENRY SCATTERGOOD
AGNES BROWN LEACH
J. EDGAR RHOADS
KATHARINE ELIZABETH MCBRIDE
JOSEPHINE YOUNG CASE
ADELAIDE W. NEALL
ELEANOR A. BLISS

Finance Committee

CHARLES J. RHOADS, *Chairman*
J. HENRY SCATTERGOOD
AGNES BROWN LEACH
CAROLINE MCCORMICK SLADE
ELEANOR LITTLE ALDRICH

Committee on Religious Life

KATHARINE ELIZABETH MCBRIDE
Chairman
MILLICENT CAREY MCINTOSH
FRANCIS J. STOKES
ADELAIDE W. NEALL
HENRY JOEL CADBURY

Committee on Buildings and Grounds

FRANCIS J. STOKES, *Chairman*
FREDERIC H. STRAWBRIDGE
J. EDGAR RHOADS
KATHARINE ELIZABETH MCBRIDE
ELEANOR A. BLISS
MARJORIE MARTIN TOWNSEND
ELEANOR NEWELL BURRY

Library Committee

KATHARINE ELIZABETH MCBRIDE
Chairman
RICHARD MOTT GUMMERE
ELEANOR LITTLE ALDRICH
HELEN TREDWAY GRAHAM

Deanery Committee

ADELAIDE W. NEALL, *Chairman*
HELEN TREDWAY GRAHAM, *Secretary*

AGNES BROWN LEACH
MILLICENT CAREY MCINTOSH
ELIZABETH GRAY VINING
KATHARINE ELIZABETH MCBRIDE
CAROLINE MCCORMICK SLADE
JOSEPHINE YOUNG CASE
ELEANOR LITTLE ALDRICH
ELEANOR A. BLISS
MARJORIE MARTIN TOWNSEND
JEAN T. PALMER
HELEN HILL MILLER
ELEANOR NEWELL BURRY

COLLEGE ADMINISTRATION

Academic Year 1949-50

President: Katharine Elizabeth McBride, Ph.D., LL.D., L.H.D.
Office: Taylor Hall.

Dean of the College: Dorothy Nepper Marshall, Ph.D.
Office: Taylor Hall.

Dean of the Graduate School: Lily Ross Taylor, Ph.D., Litt.D.
Office: The Library.

Dean of Freshmen and Director of Admissions:
Annie Leigh Broughton, M.A.
Office: Taylor Hall.

Assistant to the President: Margaret Tyler Paul, A.B.
Office: Taylor Hall.

Comptroller: Raymond G. Buckley
Office: Taylor Hall.

Field Secretary and Assistant to the Director of Admissions:
Doris Emerson, A.B.
Office: Taylor Hall.

Foreign Student Adviser: Martha M. Diez, M.A.

Halls, Director of, and Head Warden:
Charlotte Brandon Howe, M.A.
Office: Rockefeller Hall.

Librarian: Janet Margaret Agnew, B.L.S., M.A.
Office: The Library.

Physical Education, Director of: Irene A. Clayton, M.S.
Office: The Gymnasium.

Physician, College: Elizabeth Humeston, M.D.
Office: The Infirmary.

Physician, Assistant College: Isaac Sharpless, M.D.
Office: The Infirmary.

Psychiatrist, Consulting: Howard B. Smith, M.D.
Office: The Infirmary.

Public Relations, Director of: Clayton C. Adams.
Office: Taylor Hall.

Public Relations, Assistant to the Director of, in Charge of Publications: Margaret Simpson David, M.A.
Office: Taylor Hall.

Recommendations, Director of Bureau of:
LOUISE FFROST HODGES CRENSHAW, A.B.
Office: Taylor Hall.

Recommendations, Adviser in the Bureau of:
HELEN TREVOR VIETOR, A.B., *Semester I*
ANN COKE-JEPHCOTT, A.B., *Semester II*
Office: Taylor Hall.

Recorder of the College: MARIAN CARTER ANDERSON, B.S.
Office: Taylor Hall.

Superintendent: HORACE T. SMEDLEY
Office: Rockefeller Hall.

Treasurer, Assistant to the: SANDY LEE HURST
Office: Taylor Hall.

Warden of Denbigh Hall: EVELYN A. SCLUFER, A.B.

Warden of Merion Hall: ISABEL HOWLAND WITTE, A.B.

Warden of Pembroke Hall East: JANET ELIZABETH GROFF, M.A.

Warden of Pembroke Hall West: ALICE MARY LITWINCHUK, M.A.

Warden of Radnor Hall: PAULINE ROSE UTZINGER, A.B.

Warden of Rhoads Hall North: REBECCA COOPER WOOD, M.A.

Warden of Rhoads Hall South: JOAN PLATT, A.B.

Warden of Rockefeller Hall and Assistant to the Dean:
LOUISA SHANNON DUBOSE, M.A.

Warden of French House (Wyndham): JEANNE THEIS, M.A.

Senior Resident of Graduate Center:
YVONNE M. J. GUERS, *Licenciée-ès-Lettres*

FACULTY AND STAFF

ACADEMIC YEAR, 1949-50

KATHARINE ELIZABETH MCBRIDE, Ph.D., LL.D., L.H.D., *President of the College.*

MARION EDWARDS PARK, Ph.D., LL.D., *President Emeritus of the College.*

DOROTHY NEPPER MARSHALL, Ph.D., *Dean of the College.*

LILY ROSS TAYLOR, Ph.D., Litt.D., *Dean of the Graduate School and Professor of Latin.*

ANNIE LEIGH BROUGHTON, M.A., *Dean of Freshmen and Director of Admissions.*

WILMER CAVE WRIGHT, Ph.D., *Professor Emeritus of Greek.*

REGINA KATHARINE CRANDALL, Ph.D., *Professor Emeritus of English Composition.*

SUSAN MYRA KINGSBURY, Ph.D., LL.D.,[1] *Professor Emeritus of Social Economy.*

GRACE MEAD ANDRUS DE LAGUNA, Ph.D., *Professor Emeritus of Philosophy.*

CHARLES GHEQUIERE FENWICK, Ph.D., LL.D., *Professor Emeritus of Political Science.*

EUNICE MORGAN SCHENCK, Ph.D., *Professor Emeritus of French.*

ANNA PELL WHEELER, Ph.D., Sc.D., *Professor Emeritus of Mathematics.*

MARY HAMILTON SWINDLER, Ph.D., LL.D., *Professor Emeritus of Classical Archæology.*

SAMUEL CLAGGETT CHEW, Ph.D., Litt.D., *Mary E. Garrett Alumnæ Professor of English Literature and Holder of the Mary Hill Swope Grant.*

RHYS CARPENTER, Ph.D., Litt.D.,[2] *Professor of Classical Archæology and Holder of a Julius and Sarah Goldman Grant.*

JAMES LLEWELLYN CRENSHAW, Ph.D.,[3] *Professor of Physical Chemistry.*

HELEN TAFT MANNING, Ph.D., LL.D., *Marjorie Walter Goodhart Professor of History.*

HORACE ALWYNE, F.R.M.C.M., *Alice Carter Dickerman Professor of Music and Director of the Department of Music.*

[1] Deceased November 28, 1949.
[2] On leave of absence for Semester I, 1949-50.
[3] On leave of absence for the year 1950-51.

ROGER HEWES WELLS, Ph.D., *Professor of Political Science.*

MAX DIEZ, Ph.D., *Professor of German Literature.*

GRACE FRANK, A.B., *Non-resident Professor of Old French Philology.*

STEPHEN JOSEPH HERBEN, Litt.B., Ph.D., *Professor of English Philology.*

FRITZ MEZGER, Ph.D., *Professor of Germanic Philology.*

THOMAS ROBERT SHANNON BROUGHTON, Ph.D., *Professor of Latin.*

EDWARD H. WATSON, Ph.D., *Professor of Geology.*

MILTON CHARLES NAHM, B.Litt., Ph.D.,[1] *Professor of Philosophy.*

WALTER C. MICHELS, Ph.D., *Marion Reilly Professor of Physics.*

CORNELIA LYNDE MEIGS, A.B., *Margaret Kingsland Haskell Professor of English Composition.*

MARGARET GILMAN, Ph.D.,[3] *Professor of French.*

LINCOLN DRYDEN, Ph.D., *Professor of Geology.*

FLORENCE PETERSON, M.A., *Professor of Social Economy and Director of the Graduate Department of Social Economy and Social Research.*

CAROLINE ROBBINS, Ph.D., *Professor of History.*

RICHMOND LATTIMORE, Ph.D., *Paul Shorey Professor of Greek.*

K. LAURENCE STAPLETON, A.B., *Professor of English and of Political Theory.*

ALEXANDER COBURN SOPER, III, M.F.A., Ph.D., *Professor of History of Art.*

MARY SUMMERFIELD GARDINER, Ph.D., *Professor of Biology.*

GERMAINE BRÉE, *Agrégée de l'Université,*[2] *Professor of French.*

MILDRED BENEDICT NORTHROP, Ph.D.,[2] *Professor of Economics.*

FELIX GILBERT, Ph.D., *Professor of History.*

PAUL SCHRECKER, Ph.D., LL.D., *Visiting Professor of Philosophy.*

ARTHUR COLBY SPRAGUE, Ph.D., *Associate Professor and Professor-elect of English.*

MARGUERITE LEHR, Ph.D.,[1] *Associate Professor of Mathematics.*

ANGELINE HELEN LOGRASSO, Ph.D., *Associate Professor of Italian.*

MYRA RICHARDS JESSEN, Ph.D., *Associate Professor of German.*

DOROTHY WYCKOFF, Ph.D., *Associate Professor of Geology.*

BERTHE MARIE MARTI, Ph.D.,[3] *Associate Professor of Latin and French.*

[1] On leave of absence for semester II, 1949-50.
[2] On leave of absence for the year 1949-50.
[3] On leave of absence for the year 1950-51.

Richard Bernheimer, Ph.D., *Associate Professor of History of Art.*

Mary Katharine Woodworth, Ph.D., *Associate Professor of English.*

Hertha Kraus, Ph.D.,[1] *Carola Woerishoffer Associate Professor of Social Economy.*

Joseph Curtis Sloane, Jr., M.F.A., Ph.D., *Associate Professor of History of Art.*

John Chester Miller, Ph.D.[2] *Associate Professor of History.*

John Corning Oxtoby, M.A., *Associate Professor of Mathematics.*

Isabel Scribner Stearns, Ph.D., *Associate Professor of Philosophy.*

Agnes Kirsopp Lake Michels, Ph.D., *Associate Professor of Latin.*

L. Joe Berry, Ph.D., *Associate Professor of Biology.*

Jane Marion Oppenheimer, Ph.D., *Associate Professor of Biology.*

Ernst Berliner, Ph.D., *Associate Professor of Chemistry.*

Joshua C. Hubbard, Ph.D., *Associate Professor of Economics.*

Frederick Wakefield Thon, M.F.A., *Associate Professor of the Drama.*

Magda B. Arnold, Ph.D., *Associate Professor of Psychology.*

Frederica de Laguna, Ph.D., *Associate Professor of Anthropology.*

Rachel Dunaway Cox, Ph.D., *Associate Professor of Education and Psychology.*

Bettina Linn, M.A., *Associate Professor of English.*

George P. Cuttino, D.Phil., *Associate Professor of History on a joint appointment by Bryn Mawr College and Swarthmore College.*

Geddes MacGregor, B.D., LL.B., D.Phil., *Rufus M. Jones Associate Professor of Philosophy and Religion.*

Mabel Louise Lang, Ph.D., *Assistant Professor and Associate Professor-elect of Greek.*

Manuel Alcalá, Litt.D., *Assistant Professor and Associate Professor-elect of Spanish.*

Frances de Graaff, Ph.D., *Assistant Professor of Russian on a joint appointment by Bryn Mawr College and Haverford College.*

Robert L. Goodale, A.B., B.Mus., A.A.G.O., *Assistant Professor of Music.*

Lindley J. Burton, Ph.D., *Assistant Professor of Mathematics.*

Rosalie C. Hoyt, Ph.D., *Assistant Professor of Physics.*

[1] On leave of absence for Semester II, 1949-50.
[2] On leave of absence for the year 1949-50.

PETER BACHRACH, M.A., *Assistant Professor of Political Science.*

JACQUES VAN DEN HEUVEL, *Agrégé de l'Université, Assistant Professor of French.*

HUGUES LEBLANC, Ph.D., *Assistant Professor of Philosophy.*

JOE KENNEDY ADAMS, Ph.D., *Assistant Professor of Psychology.*

HAROLD KWART, Ph.D., *Assistant Professor of Chemistry.*

MACHTELD JOHANNA MELLINK, Ph.D., *Assistant Professor of Archæology.*

JOHN R. PRUETT, Ph.D., *Assistant Professor of Physics.*

EDITH HAMILTON LANMAN, M.A., *Instructor and Assistant Professor-elect of Chemistry.*

MARTHA M. DIEZ, M.A., *Instructor and Assistant Professor-elect of German.*

HEINZ POLITZER, Ph.D., *Instructor and Assistant Professor-elect of German.*

GERTRUDE C. K. LEIGHTON, A.B., LL.B., *Assistant Professor-elect of Political Science.*

ARTHUR P. DUDDEN, M.A.,[1] *Assistant Professor-elect of History.*

FRANK S. PARKER, Ph.D., *Assistant Professor-elect of Biology.*

MAURICE GONNAUD, *Agrégé de l'Université, Assistant Professor-elect of French.*

MARY MARGARET ZENDER, M.A., M.S.S., *Lecturer in Social Economy and Supervisor of Social Casework.*

MURIEL JANET GAYFORD, M.S.P.A., *Lecturer in Medical Social Case Work.*

KATHERINE D. K. LOWER, Ph.D., *Lecturer in Social Economy.*

JACQUES GUICHARNAUD, *Agrégé de l'Université, Lecturer in French.*

MAXINE S. WOOLSTON, Ph.D., *Lecturer in Economics.*

JOSÉ MARIA FERRATER MORA, *Licenciado en Filosofía, Lecturer in Spanish and Philosophy.*

JOHN BOARDMAN WHITTON, J.D., LL.D., *Lecturer in Political Science.*

JOHN H. POWELL, Ph.D., *Lecturer in History.*

MARY CREGAR BERWICK, Ph.D., *Lecturer in Biology.*

LOUISE W. A. HOLLAND, Ph.D., *Lecturer in Classical Archæology, Semester I.*

L. J. FLEMISTER, JR., Ph.D., *Lecturer in Biology, Semester II.*

ELEANOR S. BOLL, M.A., *Lecturer in Social Economy, Semester II.*

ESTHER REED BUCHEN PESE, Ph.D., *Lecturer-elect in French.*

LEON B. SAUL, M.D., *Special Lecturer in Psychiatric Information, Semester I.*

[1] Ph.D. to be conferred June, 1950.

M. Royden C. Astley, M.D., *Special Lecturer in Psychiatric Information.*

Aims McGuinnes, M.D., *Special Lecturer in Social Economy, Semester I.*

Arthur M. Rogers, M.D., *Special Lecturer in Social Economy.*

Murray Gordon de Jersey, M.A., *Instructor in Psychology.*

Deborah Sands Austin, M.A., *Instructor in English.*

Margarita Esteves, M.A., *Instructor in Spanish.*

Charlotte Schnakenberg, A.B., *Instructor in English.*

Frances Parker Matthai, A.B., *Instructor in English.*

Isabel E. Gamble, M.A., *Instructor in English.*

Cynthia Frances Heath Gee, M.A., *Instructor in Greek.*

Helen Manning Hunter, M.A., *Instructor in Statistics.*

Edward P. Morris, B.A., *Instructor in French.*

Olga Lamkert, *Instructor in Russian on a joint appointment by Bryn Mawr College and Swarthmore College.*

Dorothy Elvira Yates, M.A., *Instructor in Psychology.*

Janet Elizabeth Groff, M.A., *Instructor in History.*

Josephine Yager King, Ph.D., *Instructor in Political Science.*

Grace Hutchinson Larsen, M.A., *Instructor in History.*

Anthony F. C. Wallace, M.A., *Instructor in Sociology.*

Jean Shaffer Oxtoby, M.A., *Instructor in Mathematics, Semester II.*

Barbara Entenberg Gimbel, Ph.D., *Instructor in Philosophy, Semester II.*

Frances Bondhus Berliner, Ph.D., *Demonstrator and Instructor-elect in Chemistry.*

Ruth Murray Fansler, A.B., *Reader in Mathematics.*

Lucille Miriam Feiden, M.A., *Reader in History of Art.*

Rhoda Raasch Gilman, M.A., *Reader in Economics.*

Jean Purinton, M.A., *Reader in Mathematics.*

Henrietta Huff Landes, A.B., *Curator of Slides and Photographs.*

Mary Roberts Forbes Day, M.A., *Demonstrator in Biology.*

Eileen Beier Maher, M.A., *Demonstrator in Psychology.*

Richard Carlton Barbera, M.A., *Demonstrator in Physics.*

Elizabeth Ann Farrelly, B.S., *Demonstrator in Physics.*

Isabel Kellers, M.A., *Demonstrator in Biology.*

Jane H. Wallace, M.A., *Demonstrator in Geology.*

Joan Fulton White, A.B., *Demonstrator in Biology.*

LOUISE CHARLOTTE MONACK, M.S., *Demonstrator in Chemistry, Semester I.*

ABRAHAM ROSENZWEIG, Ph.D., *Demonstrator in Geology.*

ELIZABETH ANN BLOMMERS, Ph.D., *Demonstrator in Chemistry, Semester II.*

ESTHER RENNERT, A.B., *Demonstrator-elect in Physics.*

ANNA RUTH BRUMMETT, M.A., *Demonstrator-elect in Biology.*

RYDA DWARYS,[1] *Demonstrator-elect in Biology.*

IRENE R. WARAKSA, A.B., *Demonstrator-elect in Geology.*

ELIZABETH E. BOOTH, A.B., *Assistant in Music.*

REBECCA COOPER WOOD, M.A., *Assistant in Classical Archæology.*

MARIANNE WINTER MARTIN, M.A., *Assistant in History of Art.*

HENDERSON WOLFE, A.B., *Assistant in History of Art.*

JANE R. MURNAGHAN, A.B., *Assistant in Political Science, Semester I.*

ELAINE FRANCE, A.B., *Assistant in the Child Study Institute.*

ANNE HOWELL MARTIN, M.A., *Assistant in Philosophy.*

INDRA K. CARNARIUS, A.B., *Assistant in Political Science, Semester II.*

ELIZABETH CATESBY SPEARS, A.B.,[2] *Assistant-elect in Philosophy.*

WILLIAM H. REESE, Ph.D., *Director of Orchestra and Instrumental Ensemble Groups.*

FRITZ JANSCHKA, *Artist in Residence.*

LIBRARY

JANET MARGARET AGNEW, B.L.S., M.A., *Librarian.*

SARAH GEIST, A.B., A.M.L.S., *Circulation and Reference Librarian.*

JANE WALKER, B.S., *Head Cataloguer.*

ETHEL W. WHETSTONE, A.B., A.B. in L.S., *Library Assistant in the Quita Woodward Wing.*

MARGARET M. FARRELL, A.B., B.S. in L.S., *Assistant Cataloguer.*

RENATA VON SCHELIHA, M.S., Ph.D., *Assistant Cataloguer.*

JEAN RICHMOND BARTLE, B.S., B.S. in L.S., *Assistant in the Science Libraries.*

HALLS OF RESIDENCE

CHARLOTTE BRANDON HOWE, M.A., *Director of Halls and Head Warden.*

EVELYN A. SCLUFER, A.B., *Warden of Denbigh Hall.*

JEANNE THEIS, M.A., *Warden of the French House, Wyndham.*

YVONNE M. J. GUERS, *Licenciée-ès-Lettres, Senior Resident of the Graduate Center.*

[1] A. B. to be conferred June, 1950.

[2] M.A. to be conferred June, 1950.

Isabel Howland Witte, A.B., *Warden of Merion Hall.*

Janet Elizabeth Groff, M.A., *Warden of Pembroke East.*

Alice Mary Litwinchuk, M.A., *Warden of Pembroke West.*

Pauline R. Utzinger, A.B., *Warden of Radnor Hall.*

Rebecca Cooper Wood, M.A., *Warden of Rhoads North.*

Joan Platt, M.A., *Warden of Rhoads South.*

Louisa Shannon DuBose, M.A., *Warden of Rockefeller Hall.*

Health

The Deans of the College, *ex officio.*

Elizabeth Humeston, M.D., *College Physician.*

Frederic C. Sharpless, M.D., *General Consultant.*

Isaac Sharpless, M.D., *Assistant College Physician.*

Howard B. Smith, M.D., *Consulting Psychiatrist.*

Irene A. Clayton, M.S., *Director of Physical Education.*

Physical Education

Irene A. Clayton, M.S., *Director of Physical Education.*

Ethel M. Grant, *Instructor in Physical Education.*

Janet A. Yeager, *Instructor in Physical Education.*

Emelia-Louise Jepson Kilby, M.A., *Instructor in Physical Education.*

Business Administration

Charlotte Brandon Howe, M.A., *Director of Halls.*

Sandy Lee Hurst, *Assistant to the Treasurer.*

Raymond G. Buckley, *Comptroller.*

Horace T. Smedley, *Superintendent.*

Josephine Falcone McCusker, *Purchasing Agent and Manager of the Business Office.*

Marjorie E. Bacheller, B.S., *Dietitian.*

William J. Burk, *Fire Chief.*

ADMISSION

The Graduate School is open to qualified graduates in liberal arts courses of colleges or universities of acknowledged standing. Application for admission, to be made to the Dean of the Graduate School, should be accompanied by a copy of the student's full academic record and by letters from the Dean and from two or more professors of the applicant's undergraduate college. Admission to graduate courses is under the jurisdiction of the various departments which may, at their discretion, require students whose preparation is insufficient to pursue certain introductory courses before being enrolled in a graduate course. Admission to the Graduate School does not automatically qualify a student to become a candidate for an advanced degree. Students whose courses of study meet the prerequisites may on application to the Graduate Committee be enrolled as candidates for the Degrees of Master of Arts, Master of Social Service, or Doctor of Philosophy.

Men as well as women are admitted to the Graduate School and are accepted as candidates for the Degrees of Master of Arts, Master of Social Service, and Doctor of Philosophy.

Graduate Record Examination. The Bryn Mawr Graduate School recognizes as contributory evidence of the qualifications of a student for admission a record of attainment in the Graduate Record Examination as prepared and administered by the Educational Test Service. This examination is a convenient method by which a student may supplement transcript records. Applicants for admission to the Graduate School who wish to take the examination should apply directly to the Graduate Record Examination, P.O. Box 592, Princeton, N. J., where full information may be secured and arrangements for taking the test may be made. There is a fee of $3.00.

COURSES OF STUDY

1950-51

Graduate courses are offered in the Departments of Biology, Chemistry, Classical Archæology, Comparative Philology and Linguistics, Economics, Educational Psychology, English, French, Geology, German, Greek, History, History of Art, Italian, Latin, Mathematics, Music, Philosophy, Physics, Political Science, Psychology, Social Economy and Social Research, Sociology and Anthropology, and Spanish.

All undergraduate and graduate courses of the College are open to properly qualified graduate students. Only advanced and elective and a few second year undergraduate courses are described in this calendar. For the complete undergraduate program see the Calendar of Undergraduate Courses.

Graduate and undergraduate courses at the University of Pennsylvania are also available for graduate students of Bryn Mawr College. By a reciprocal arrangement with the University holders of fellowships and scholarships at Bryn Mawr College are admitted without tuition charge to courses at the University for which they are qualified.

Three units of graduate work, each planned to take a third of the student's time, constitute a full program, and not more than three such courses may be elected by a student. The units of graduate work are of two types:

1. The graduate course or seminary, described under the departmental announcements.

2. An independent unit of graduate work, equivalent to a graduate course or seminary, planned and examined by an instructor but carried on independently by the student. Such work may consist of reading with assigned reports, research with results submitted, or a combination of both.

The prerequisites for graduate courses, approximately twenty semester hours of undergraduate work in the subject, are established by the various departments. In special cases, with the approval of the department concerned, work in related subjects of equivalent value may be accepted.

It is the practice of most departments to vary the graduate courses and seminaries from year to year so that a candidate for the degree of Doctor of Philosophy may pursue the work for several successive years. In special cases the announced order may be changed to suit the needs of students.

In many departments the instructors and graduate students meet from time to time in a Journal Club to discuss recent publications in their field of study. Students will be notified by their respective departments of arrangements for the Journal Clubs.

Every graduate student must register her courses at the Office of the Dean of the Graduate School within two weeks after entering the College. Permission to make any change in registration must be received from the Dean of the Graduate School.

Approved major and allied subjects for all departments are listed in the printed Regulations for the Degrees of Master of Arts and Doctor of Philosophy.

The Plan for Coordination in the Teaching of the Sciences offers special training in borderline subjects. A gift from the Carnegie Corporation enables the College to award scholarships to qualified students in such fields as biophysics, geophysics, and geochemistry. As such work demands a thorough knowledge of the fundamentals of at least two sciences, it is often impossible for students to include all the desired courses in four undergraduate years; these scholarships are intended primarily to provide for an additional year (mainly in the Undergraduate School) so that the student may be ready, at the end of five years, to begin graduate work in her chosen correlated fields. In addition to the sum allotted to scholarships part of the annual income from the Carnegie fund is set aside for special courses in related subjects. These courses vary from year to year with the needs and interests of the students in science.

Undergraduate courses in each department are numbered according to the following system:

301, 302, etc.....indicate advanced courses in major work.

*.....indicates elective courses.

"a".....the letter "a", following a number, indicates a half-course given in the first semester.

"b".....the letter "b", following a number, indicates a half-course given in the second semester.

"c".....the letter "c", following a number, indicates a half-course given two hours a week throughout the year.

[].....Square brackets enclosing the titles of courses indicate that, though regular parts of the program, they are not given in the current year.

Biology

PROFESSOR: MARY SUMMERFIELD GARDINER, Ph.D.
ASSOCIATE PROFESSORS: L. JOE BERRY, Ph.D.
JANE MARION OPPENHEIMER, Ph.D.
ASSISTANT PROFESSOR: FRANK S. PARKER, Ph.D.

Students may specialize either in animal morphology or in physiology (biochemistry or biophysics). Each seminary meets two or three hours weekly.

Seminary: Cytology: Dr. Gardiner.

Seminary: Embryology: Dr. Oppenheimer.

Seminary: Physiology: Dr. Berry.

Seminary: Physiological Chemistry: Mr. Parker.

Advanced Undergraduate Courses

[301. *Microscopic Anatomy:* Dr. Gardiner.]

A study of tissues and cells, with instruction in the theory and technique of preparing material for histological and cytological examination. Two lectures, six hours laboratory a week.

[302. *Genetics:* Dr. Gardiner.]

An historical review of the theories of inheritance, and an introduction to modern genetic theories and techniques. Two lectures, six hours laboratory a week.

303. *Embryology:* Dr. Oppenheimer.

Embryology of the vertebrates with consideration of theoretical questions of embryological interest. Two lectures, six hours (minimum) laboratory a week.

304. *Physiology of Micro-organisms:* Dr. Berry, Mr. Parker.

Morphology, physiology and immunochemistry of the bacteria, with a consideration of photosynthetic and chemosynthetic as well as parasitic forms, bacteriophages and other viruses. Two lectures, six hours (minimum) laboratory a week.

305. *Biochemistry:* Mr. Parker.

The chemistry of living organisms with special emphasis on the chemical principles in physiological phenomena. Two lectures, six hours (minimum) laboratory a week. Physics 101 is recommended as preparation for this course.

[306. *Biophysics:* Dr. Berry.]

The application of physical processes and physical methods to the problems of general and vertebrate physiology. Two lectures, six hours (minimum) laboratory a week. Prerequisite: Physics 101.

[307. *The Development of Scientific Thought:* Dr. Wyckoff, Dr. Oppenheimer.]

(Interdepartmental Course 203. See page 53.)

308. *Fundamentals of Systematics.*

Offered at the Academy of Natural Sciences. One hour of lecture; four hours laboratory a week (Saturday mornings). A survey of the scope and methods of taxonomy, with a consideration of the mechanisms of speciation.

Chemistry

PROFESSOR:	JAMES LLEWELLYN CRENSHAW, Ph.D.[1]
ASSOCIATE PROFESSOR:	ERNST BERLINER, Ph.D.
ASSISTANT PROFESSORS:	HAROLD KWART, Ph.D.
	EDITH HAMILTON LANMAN, M.A.
INSTRUCTOR:	FRANCES BONDHUS BERLINER, Ph.D.

Students may specialize in either physical chemistry or organic chemistry. Each seminary meets two hours weekly.

Seminary: Physical Chemistry: Dr. Crenshaw.

(Not given in 1950-51)

In the lectures no attempt is made to give a general survey of the subject but certain selected portions of the science are treated in detail and the student is made familiar with problems of current interest.

Seminary: Organic Chemistry: Dr. Berliner, Dr. Kwart.

Theoretical and physical organic chemistry. Recent developments in the chemistry of Natural Products (Sterols, Hormones, Vitamins, Alkaloids, Terpenes, Heterocyclic Compounds).

ADVANCED UNDERGRADUATE COURSES

301. *Advanced Physical Chemistry:* Dr. Kwart.

First semester: elementary thermodynamics. Second semester: chemical kinetics. Two lectures, eight hours laboratory. Prerequisite: Mathematics 101. Credit: 1½.

302. *Advanced Organic Chemistry:* Dr. Berliner, Dr. Kwart.

Lectures: theories and fundamental principles of organic chemistry. Laboratory: (first semester) organic qualitative analysis; (second semester) advanced synthesis and organic quantitative analysis. Two lectures, eight hours laboratory. Credit: 1½.

303. *Advanced Inorganic Analysis:* Miss Lanman.

One lecture, eight hours laboratory.

Classical Archaeology

PROFESSOR:	RHYS CARPENTER, Ph.D., Litt.D.
ASSISTANT PROFESSOR:	MACHTELD JOHANNA MELLINK, Ph.D.
CURATOR OF SLIDES AND PHOTOGRAPHS:	HENRIETTA HUFF LANDES, A.B.
ASSOCIATE PROFESSOR OF ANTHROPOLOGY:	FREDERICA DE LAGUNA, Ph.D.

Familiarity with both Greek and Latin, though not required except for candidates for the doctor's degree, is of the utmost value for graduate work in archæology. A good reading knowledge of German is indispensable.

Each seminary meets two hours weekly.

[1] On leave of absence for the year 1950-51.

Seminary: Dr. Carpenter.

The seminary given is selected from the following:

Archæology of the Western Mediterranean.
Greek Sculpture.
Greek Epigraphy.

Seminary: Dr. Mellink.

The seminary given is selected from the following:

Oriental Relations of Early Greek Culture.
Anatolian Archæology.
Aegean Archæology.

Advanced Undergraduate and Free Elective Courses

202a.* *Ancient Italy:* Dr. Carpenter.

202b.* *Cultural Geography of the Mediterranean:* Dr. Carpenter.

203.* *American Archæology:* Dr. de Laguna.

Anthropology 102 (see Undergraduate Calendar) is recommended as a preliminary to this course.

301a. *Ancient Painting:* Dr. Mellink.

301b. *Ancient Architecture:* Dr. Carpenter.

Comparative Philology and Linguistics

Professor of Germanic Philology: Fritz Mezger, Ph.D.

Non-resident Professor of Old French Philology: Grace Frank, A.B.

Professor of English Philology: Stephen Joseph Herben, Litt.B., Ph.D.

Associate Professor of Italian: Angeline Helen Lograsso, Ph.D.

Associate Professor of Spanish: Manuel Alcalá, Litt.D.

This department is under the joint direction of the professors in charge of philological work in the language departments. The degree of Master of Arts is not offered in this department. For the degree of Doctor of Philosophy Comparative Philology and Linguistics may be offered as an allied subject but not as a major subject. Graduate students in the language departments, if so directed by the department of major work, may take any of the courses listed below and count them as a part of their philology in the major department. Undergraduate preparation entitling a student to do graduate work in any of the language departments will entitle her to work in this department.

The following seminaries and graduate courses meeting two hours weekly are offered from time to time by Dr. Mezger:

Sanskrit (one semester).

Sounds and forms of Sanskrit are studied on a comparative basis.

Studies in Indo-European Linguistics.

After a general introduction to linguistic science, the relations of the principal languages of the Indo-European group will be studied with respect to sounds, inflection, syntax and word formation.

[*Old and Middle Welsh* (one semester).]

Comparative grammar. Reading of the Mabinogion.

[*Old and Middle Irish* (one semester).]

Comparative grammar of Old Irish. Interpretation of texts.

The following seminaries and graduate courses are announced in the language departments concerned, but may also be offered as a part of the work in Comparative Philology:

English Philology:

Old and Middle English.

Romance Philology:

Introduction to Old French Philology.
Old Italian.
Spanish Philology and Old Spanish Readings.

Germanic Philology:

Old Norse.
Germanic Philology.
Introduction to Germanic Philology.
Old Saxon and Old Frisian.
History of the English Language.

Economics

PROFESSOR: MILDRED BENEDICT NORTHROP, Ph.D.
ASSOCIATE PROFESSOR: JOSHUA C. HUBBARD, Ph.D.

Each seminary meets two hours weekly.

Seminary: Dr. Northrop.

The seminary given is selected from the following:

International Trade and Commercial Policy.
Business Cycles and Full Employment.
Comparative Economic Organization.
Economic Development.

Seminary: Dr. Hubbard.

The seminary given is selected from the following:

History of Economic Thought.
Contemporary Economic Theory.
Money and Banking and Fiscal Policy.

Advanced Undergraduate Courses

301a. *Full Employment:* Dr. Northrop.

301b. *International Economics:* Dr. Northrop.

Education

President of the College:
Katharine Elizabeth McBride, Ph.D., LL.D., L.H.D.

Associate Professor:
Rachel Dunaway Cox, Ph.D.

Assistant in Child Study Institute:
Clara Meyers, M.A.

The department offers graduate courses designed to meet the needs of two types of students—graduate students who desire to qualify for a teacher's certificate and graduate students who have had sufficient undergraduate training in education to qualify them for graduate work leading to a higher degree. Each seminary meets two hours weekly.

The Department of Education maintains the Child Study Institute under the direction of Dr. Cox, assisted by Dr. James Delano, consulting psychiatrist, Mrs. Geraldine W. Mullen, social case worker, and Miss Clara Meyers, psychological assistant. This is a clinic supported jointly by the College and the Lower Merion Township Schools for work in the field of child development. Problems of learning and behavior are studied, psychological testing and remedial teaching are carried on. A program of counseling for children and their parents renders help in school and family adjustment. Advanced students participate in the work, and both graduate and undergraduate students observe and carry on research projects in the twelve public schools of the township.

Referrals also come to the Institute from the neurological and pediatric departments of the Bryn Mawr Hospital, from psychiatrists and from social agencies, giving opportunity for acquaintance with a diversity of clinical material.

A separate building on the college grounds houses the Institute, with rooms equipped for the individual examination of pupils, remedial teaching, play therapy, and student observation. Sound recording facilities are available for the study and improvement of counseling and testing techniques.

Seminary: Educational Psychology: Dr. Cox.
(Given as required.)

Learning, psychological study of the individual child, and educational adjustment are the chief subjects of this seminary. Psycho-educational problems are demonstrated and opportunities

provided for students to carry on practical work on these problems.

Seminary: Advanced Mental Measurement: Dr. Cox.

(Given as required)

A study is made of the structure, the theoretical orientation, the uses and limitations of a variety of standardized measurements of intelligence, aptitude and personality. Case study emphasis. Two hour seminar and three hours laboratory weekly.

Seminary: Clinical Problems: Dr. Cox.

(Given as required)

The problems most frequently encountered in clinical practice are attacked. The first semester is devoted to a study of the neurological deficiencies, learning disabilities and to the more important aspects of interpretation and application of psychological test findings. In the second semester behavior problems of children and adolescents are studied, and opportunity is provided for supervised work with individual children.

Seminary: Principles and Administration of School Guidance: Dr. Cox.

(Given as required)

Philosophy and practice of the school counselor, teacher and administrator in dealing with the guidance of children in secondary and elementary schools in matters of educational and vocational, emotional and social adjustment. Effective approaches in dealing with behavioral deviations are explored.

Practicum: Educational Psychology.

This course is designed to meet the needs of students who are actually engaged in teaching. The course will deal with the psychology of learning, psychological study of the individual child and problems of educational adjustment. Opportunity is provided for students to carry on practical work on these problems.

FREE ELECTIVE COURSES

[101b.* *Principles of Education:* President McBride.]

201a.* *Educational Psychology:* President McBride and Dr. Cox. Prerequisite: Psychology 101.

[202a.* *Child Psychology:* President McBride and Dr. Cox.] Prerequisite: Psychology 101.

English

PROFESSORS: SAMUEL CLAGGETT CHEW, Ph.D., Litt.D.
STEPHEN JOSEPH HERBEN, Litt.B., Ph.D.
K. LAURENCE STAPLETON, A.B.
ARTHUR COLBY SPRAGUE, Ph.D.

ASSOCIATE PROFESSORS: MARY KATHARINE WOODWORTH, Ph.D.
FREDERICK WAKEFIELD THON, M.F.A.
BETTINA LINN, M.A.

Appointment to be announced.

Each seminary meets two hours weekly.

Seminary: English Literature: Dr. Chew.
1950-51: *Romanticism.*
1951-52: *Victorian Literature.*

Seminary: English Literature: Dr. Sprague.
1950-51: *Elizabethan Poetry.*
1951-52: *Restoration Drama.*
1952-53: *Shakespeare.*

Seminary: English Literature: Dr. Woodworth.
1950-51: *Contemporary Literature.*
1951-52: *Literature of the Eighteenth Century.*

Seminary: English Literature: Miss Stapleton.
1950-51: *Milton.*

Seminary: Old and Middle English: Dr. Herben.

One of the following is given in each year:
Old English Christian Poetry
Beowulf and the Old English Lyrics
Chaucer
Middle English Romances.

A Seminary in Philology for students of English is offered in the Department of German (see page 33).

ADVANCED UNDERGRADUATE AND FREE ELECTIVE COURSES

LANGUAGE

211b.* *History of the English Language:* Dr. Herben.

LITERATURE

[301. *Old English Literature:* Dr. Herben.]
After some training in Old English grammar, selections from prose and poetry are read, followed by the *Beowulf.*

[302a. *The Drama from the Beginnings to 1642:* Dr. Sprague.]

[303. *English Poetry from Spenser to Donne:* Dr. Sprague.]
The principal poets studied are Spenser, Sidney, Daniel, Drayton, Shakespeare (the narrative poems and the sonnets), Ben Jonson, and Donne.

[304. *The Seventeenth Century:* Miss Stapleton.]
About a third of the time is devoted to Milton, and special attention is given to the influence of the political and scientific movements of the period.

305. *The Eighteenth Century:* Dr. Woodworth.
The Age of Pope and Swift; the Rise of the Novel; Dr. Johnson and his Circle.

306.* *Advanced Writing:* Instructor to be announced.
Prerequisite: English 209c.

French

PROFESSORS:	MARGARET GILMAN, Ph.D.[1]
	GERMAINE BRÉE, *Agrégée de l'Université*
NON-RESIDENT PROFESSOR:	GRACE FRANK, A.B.
ASSOCIATE PROFESSOR:	BERTHE MARIE MARTI, Ph.D.[1]
ASSISTANT PROFESSOR:	MAURICE GONNAUD, *Agrégé de l'Université*
LECTURER:	ESTHER REED BUCHEN PESE, Ph.D.
INSTRUCTOR:	EDWARD P. MORRIS, A.B.

Graduate Course: Introduction to Old French Philology: Mrs. Frank.

This course includes the reading of various texts and a general survey of Old French Literature.

Seminary: Medieval French Literature: Mrs. Frank.

Each year one of the following seminaries is offered:

Old French Narrative Poetry.
The Dramatic Literature of Medieval France.
The Lyric, including the Courtly Lyric of Provence.

Seminary: French Literature of the Sixteenth and Seventeenth Centuries.

1950-51: Semester I: *Rabelais:* Mr. Morris.
Semester II: *French Poetry of the Sixteenth Century:* Mr. Morris.

Seminary: French Literature since 1715.

1950-51: *The Modern French Novel:* Miss Brée.
1951-52: *French Poetry of the Nineteenth Century:* Dr. Gilman.

[*Graduate Course:* The Department.

Semester I. *Problems and Methods of Research in French Literature.*

Semester II. *Representative French Books.*]

All candidates for the M.A. and Ph.D. degrees in French are advised to elect this course. The course carries no credit.

ADVANCED UNDERGRADUATE COURSES

[301. *Introduction to Medieval French Literature and Philology.*]

302. *French Poetry from Villon to Valéry:* Dr. Pese.

[303. *French Thought of the Sixteenth, Seventeenth and Eighteenth Centuries.*]

[304. *French Drama of the Seventeenth Century.*]

[1] On leave of absence for the year 1950-51.

305. *The French Novel of the Eighteenth and Nineteenth Centuries:* Mr. Gonnaud.

[306. *French Literature of the Twentieth Century.*]

[307c. *Advanced Training in the French Language.*]

Geology

Professors: Edward H. Watson, Ph.D.
Lincoln Dryden, Ph.D.

Associate Professor: Dorothy Wyckoff, Ph.D.

A preparation in general geology, mineralogy and paleontology is required. For students specializing in petrology, mineralogy or metamorphism courses in general chemistry, general physics, and physical chemistry are desirable; for those specializing in stratigraphy or paleontology, general biology and general chemistry are desirable.

At least three seminaries are offered each year, to be selected from the following:

Seminary: Petrology: Dr. Watson.

Selected subjects in the structure, physical chemistry and origin of the igneous rocks. Two lectures a week.

Seminary: Metamorphism: Dr. Wyckoff.

The physical and chemical processes of metamorphism, accompanied by regional studies. Two lectures a week.

Seminary: Petrographic Methods: Dr. Watson, Dr. Wyckoff.

This is largely a course in laboratory instruction and in general will accompany the seminaries in petrology and metamorphism. Special techniques such as the universal stage, integrating stage, mechanical separations from rocks and petrofabric analysis will be taught. Twelve hours of laboratory a week.

Seminary: Stratigraphy: Dr. Dryden.

A study of selected theoretical and practical problems of correlation. Usually conducted in connection with a field problem. Two lectures a week.

Seminary: Sedimentation: Dr. Dryden.

A study of the origin of sedimentary rocks; their source, transportation, and deposition. Two lectures and one afternoon of laboratory a week.

Advanced Undergraduate and Free Elective Courses

301. *Structural and Field Geology:* Dr. Watson.

The origin and analysis of the structures of igneous, sedimentary, and metamorphic rocks, and geological surveying. Three lectures, two afternoons of field work or laboratory a week.

[302. *Stratigraphy:* Dr. Dryden.]
A survey of the stratigraphy of selected regions in Europe and North America, and study of special problems of correlation and interpretation. Three lectures, one afternoon of laboratory a week.

303. *Optical Mineralogy* (first semester) and *Petrology* (second semester): Dr. Wyckoff.
The optical properties of minerals and the use of the petrographic microscope. Discussion of the origin and differentiation of igneous rocks. Two lectures, about twelve hours of laboratory a week. Credit: 1½ units.

[304.* *Cartography:* Dr. Watson, Dr. Wyckoff.]
Field surveying, drafting, photogrammetry, elementary geomorphology, and general cartography. Open to students without previous work in geology. Two lectures, two afternoons of laboratory a week.

305. *Geography:* Dr. Wyckoff.
Discussion of geographic factors such as climate, soils, vegetation, land forms and mineral resources. General principles of economic and political geography. Three lectures, one afternoon of laboratory a week.

[306.* *The Development of Scientific Thought:* Dr. Wyckoff, Dr. Oppenheimer.]
(See Interdepartmental Course 203, page 53.)

German

PROFESSORS: FRITZ MEZGER, Ph.D.
MAX DIEZ, Ph.D.
ASSOCIATE PROFESSOR: MYRA RICHARDS JESSEN, Ph.D.
ASSISTANT PROFESSORS: MARTHA MEYSENBURG DIEZ, M.A.
HEINZ POLITZER, Ph.D.

Each seminary meets two hours weekly. The seminaries given are selected from the following:

Seminary: German Literature: Dr. Jessen.
Grillparzer and the German Drama 1815-1848.
[*The "Novelle" of Realism: Gottfried Keller and his Contemporaries.*]
[*The Lyric Poetry of Goethe and Hölderlin.*]

[*Seminary: German Literature:* Dr. Diez.]
The Nibelungenlegend, its Development in the Middle Ages and its Revival in the Nineteenth Century.

GERMANIC PHILOLOGY

The English and the German departments together have provided for a complete course in Germanic Philology, comprising both the study of the individual languages (Gothic, Norse, Anglo-

Saxon, Old Saxon, Old High German, Middle High German, Middle Low German, etc.) and the study of general Comparative Philology.

Students intending to elect Germanic Philology are advised to study Greek for at least one year during their undergraduate course.

Seminary in a Germanic Language: Dr. Mezger.

The seminary given is selected from the following:

Old Norse: Saga and Edda.

Old Saxon and Old Frisian.

History of the German Language.

History of the English Language.

Seminary: Germanic Philology: Dr. Mezger.

The seminary given is selected from the following:

Introduction to Germanic Philology.

Germanic and Indo-Germanic Word-Formation.

Germanic Metrics and Semantics.

Seminary: Old High German and Middle High German Language and Literature: Dr. Mezger.

Parzival *and* Tristan und Isolde.

Seminary: Language and Style of a Representative Author: Dr. Mezger.

ADVANCED UNDERGRADUATE COURSES

The courses given are selected from the following:

[301. *Advanced Training in Translation:* Dr. Diez.]

Written translation of difficult German prose and extemporaneous oral translation from and into German.

[302. *History of German Civilization:* Dr. Diez.]

303. *The Age of Richard Wagner:* Dr. Diez.

304. *German Literature from 1850 to 1940:* Dr. Mezger.

305. *Introduction to German Philology:* Dr. Mezger.

This course is given as *History of the German Language,* or *Old High German and Middle High German Literature.*

[306. *The German "Novelle":* Dr. Jessen.]

[307. *German Drama:* Dr. Jessen.]

308. *The German Lyric:* Dr. Politzer.

Greek

PROFESSOR: RICHMOND LATTIMORE, Ph.D.
ASSOCIATE PROFESSOR: MABEL LOUISE LANG, Ph.D.

PROFESSOR OF CLASSICAL ARCHÆOLOGY: RHYS CARPENTER, Ph.D., Litt.D.

An adequate knowledge of Latin is expected. Each seminary meets two hours weekly.

Seminaries in Classical Archæology are available for graduate students in Greek who are qualified to enter them by some previous training in archæology.

Seminary: Dr. Lattimore.
1950-51: *Herodotus.*

Seminary: Dr. Lang.
1950-51: *Homer.*

Seminary: Dr. Lattimore.
1951-52: *Lyric Poetry.*

Seminary: Dr. Lang.
1951-52: *Thucydides.*

ADVANCED UNDERGRADUATE AND FREE ELECTIVE COURSES

203.* *Greek Literature in Translation:* Dr. Lattimore, Dr. Lang.

[301. *Attic Tragedy, Attic Orators, Historians, Plato, Pindar, Melic Poets, Homer:* Dr. Lattimore, Dr. Lang.]

The student selects her work from these fields and authors in consultation with the department.

History

PROFESSORS: HELEN TAFT MANNING, Ph.D., LL.D.
CAROLINE ROBBINS, Ph.D.
FELIX GILBERT, Ph.D.
ASSOCIATE PROFESSOR: GEORGE CUTTINO, D.Phil.
ASSISTANT PROFESSOR: ARTHUR P. DUDDEN, M.A.[1]

PROFESSOR OF LATIN: THOMAS ROBERT SHANNON BROUGHTON, Ph.D.

Each seminary meets two hours weekly.

Graduate Course: History and Historical Method: The Department.

This lecture course should be elected by all students who are preparing themselves for the M.A. and Ph.D. degrees with His-

[1] Ph.D. to be conferred June, 1950.

tory as a major. Seniors majoring in history may attend the lectures.

Seminary: Medieval History: Dr. Cuttino.

The seminary given is selected from the following:

Europe in the Age of Charlemagne.

The Twelfth Century Renaissance.

England and France, 1204-1339.

Seminary: Dr. Manning.

Modern Imperialism

or

English History, 1783-1846.

Seminary: Dr. Robbins.

Seventeenth Century England, one of the following topics:

Civil War and Protectorate (1640-1660)

The Revolution Settlement (1688-1701)

Restoration and Revolution (1660-1688)

or

Eighteenth Century Civilization.

Seminary in European History: Dr. Gilbert.

The seminary given is selected from the following:

Intellectual Problems in the Age of Machiavelli.

Revolution and Reaction in Germany and Western Europe.

International Affairs in the Modern World.

Seminary: American History: Mr. Dudden.

Seminary in Latin: Dr. Broughton.

The seminary given is selected from the following:

Studies in the History and Literature of the Period from 218-167 B.C.

Cicero in the Literature and Politics of his Times.

The Augustan Empire.

ADVANCED UNDERGRADUATE AND FREE ELECTIVE COURSES

207.* *Ancient History:* Dr. Broughton.

208. *History of Russia:* Dr. Gilbert.

301. *History of Europe since 1890:* Dr. Gilbert.

[302a. *Rise of the Americas:* Mr. Dudden.]

The French, Spanish, and British colonial empires; the revolutionary movements and the development of the Latin-American states to the present day.

303b. *Social and Intellectual History of the United States:* Mr. Dudden.

304a. *English History in the Nineteenth Century:* Dr. Manning.

[305a. *Renaissance and Reformation:* Dr. Gilbert.]

European history in the Fifteenth and Sixteenth Centuries. Emphasis will be placed on the change in political and social institutions and in intellectual life, which occurred during these centuries.

History of Art

PROFESSOR: ALEXANDER COBURN SOPER, III, M.F.A., Ph.D.

ASSOCIATE PROFESSORS: JOSEPH C. SLOANE, M.F.A., Ph.D.
RICHARD BERNHEIMER, Ph.D.

CURATOR OF SLIDES AND PHOTOGRAPHS: HENRIETTA HUFF LANDES, A.B.

Each seminary meets two hours weekly. The seminaries given are selected from the following:

Modern Art: Dr. Sloane.
Medieval and Renaissance Art: Dr. Bernheimer.
Art Theory: Dr. Bernheimer.
Far Eastern Art: Dr. Soper.

UNDERGRADUATE COURSES

201.* *Italian Art:* Dr. Sloane.

The arts of Italy from the thirteenth to the end of the fifteenth century are discussed in the first semester. The second semester covers the later phases of Italian art with some consideration of its influence on the Baroque in Spain and Germany.

202. *Medieval Art:* Dr. Soper, Dr. Bernheimer.

The first semester covers the early medieval period, the second the Romanesque and Gothic.

[203a. *Northern Renaissance Art:* Dr. Soper.]

From its beginnings through Breughel.

[204b. *Northern Baroque Art:* Dr. Sloane.]

From the late sixteenth century to the classical revival in the eighteenth century.

301.* *Art of the Far East:* Dr. Soper.

Chinese and Japanese art from the earliest dynasties to the present, including a survey of Indian art as an introduction to Buddhism in the Far East.

302. *Modern Art:* Dr. Sloane, Dr. Soper.

In the first semester the pictorial arts are traced from David to the present day. In the second semester, the architecture and sculpture of the same period are discussed.

History of Religion

PROFESSOR OF ENGLISH LITERATURE: SAMUEL CLAGGETT CHEW, Ph.D., Litt.D.

ASSOCIATE PROFESSOR OF LATIN: AGNES KIRSOPP MICHELS, Ph.D.

ASSOCIATE PROFESSOR OF PHILOSOPHY AND RELIGION: GEDDES MACGREGOR, D.Phil., B.D., LL.B.

Instruction offered in the History of Religion and in Biblical Literature is not organized on the scale of a regularly constituted department; there is no major work in either subject.

101a.* *The Rise of Judaism:* Dr. A. K. Michels.

The reading is taken, as far as possible, from the original sources.

101b.* *Early Christianity:* Dr. A. K. Michels.

The reading is taken, as far as possible, from the original sources.

103.* *Literary History of the Bible:* Dr. Chew.

The English Bible from the point of view of origins and literary forms.

201a.* *Comparative Religion:* Dr. MacGregor.

The origin and development of religion; the history of the great religious systems (e.g., Buddhism, Shinto, Confucianism, Islam); the interpretation of religion on a comparative basis.

201b.* *History of Christian Thought:* Dr. MacGregor.

The history of Christian ideas from early times to the present day.

Italian

ASSOCIATE PROFESSOR: ANGELINE HELEN LOGRASSO, Ph.D.

Each seminary meets two hours weekly.

Seminary: Italian Literature: Dr. Lograsso.

The seminary given is selected from the following:

Dante.
Studies in Italian Romanticism.
Manzoni.
Literary Criticism.

Seminary: Old Italian: Dr. Lograsso.
(Given as required)

Old Italian Philology, with critical readings of early Italian texts.

ADVANCED UNDERGRADUATE AND FREE ELECTIVE COURSES

102c.* *Dante in English Translation:* Dr. Lograsso.
The New Life and *Divine Comedy.*

[103c.* *Literature of the Italian Renaissance in English Translation:* Dr. Lograsso.]

From Petrarch to Tasso; pastoral literature; literary criticism and aesthetic theories of the Renaissance with special reference to their influence on other literatures.

301. *Dante:* Dr. Lograsso.

The *Vita Nuova* and *Divina Commedia,* with some attention to the minor works.

302c. *The Italian Language:* Dr. Lograsso.

Advanced work in composition.

[303. *Italian Literature of the Rinascimento:* Dr. Lograsso.]

[304. *Italian Literature of the Romantic Period:* Dr. Lograsso.]

Latin

PROFESSORS: LILY ROSS TAYLOR, Ph.D., Litt.D.
THOMAS ROBERT SHANNON BROUGHTON, Ph.D.

ASSOCIATE PROFESSORS: BERTHE MARIE MARTI, Ph.D.[1]
AGNES KIRSOPP MICHELS, Ph.D.

All students who intend to do advanced work in Latin should have an adequate knowledge of Greek. Each seminary meets two hours weekly.

Seminary: Dr. Taylor, Dr. Broughton.
1950-51: *Studies in the History and Literature of the Period from 218 to 167 B.C.*

Seminary: Dr. Michels.
1950-51: *Poetry of the Augustan Age.*
Important themes of the period, and their mutations in various genres.

Seminary: Dr. Taylor, Dr. Broughton.
1951-52: *Cicero in the Literature and Politics of his Times.*

Seminary: Dr. Marti.
1951-52: *History of Classical Scholarship in the Middle Ages.*

[1] On leave of absence for the year 1950-51.

Two of the following Seminaries will be given in subsequent years:

Catullus and Lucretius: Dr. Taylor, Dr. Marti.
Studies in the History and Literature of the Late Republic: Dr. Taylor, Dr. Broughton.
The Augustan Empire: Dr. Broughton.
Roman Religion: Dr. Michels.
Latin Literature in the Twelfth Century: Dr. Marti.

ADVANCED UNDERGRADUATE COURSES

301a. *Tacitus and Petronius:* Dr. Taylor.

301b. *Vergil's Aeneid:* Dr. Broughton.

[302a. *Lucretius and Vergil's Georgics:* Dr. Taylor.]

The *De Rerum Natura* of Lucretius and the longer poems of Catullus.

[302b. *Cicero and Cæsar:* Dr. Broughton.]

Extensive selections from Cicero's *Orations* and *Letters* and from Cæsar's *Commentaries.* Chief emphasis is placed on the social and political history of the period.

Mathematics

ASSOCIATE PROFESSORS: JOHN CORNING OXTOBY, M.A.
MARGUERITE LEHR, Ph.D.
ASSISTANT PROFESSOR: LINDLEY J. BURTON, Ph.D.

At least three seminaries are offered each year. Additional courses in directed reading and research can be arranged. A joint Mathematical Colloquium with Haverford and Swarthmore colleges and the University of Pennsylvania holds fortnightly meetings.

The seminaries given are selected from the following:

Abstract Algebra
Algebraic Geometry
Differential Geometry
Fourier Series
Linear Spaces
Mathematical Physics
Measure Theory
Probability Theory and Mathematical Statistics
Projective Geometry and Lattice Theory
Theory of Functions of a Complex Variable
Theory of Functions of a Real Variable
Topology

ADVANCED UNDERGRADUATE COURSES

301. *Advanced Calculus:* Dr. Burton.
Prerequisite: Mathematics 201.

302b. *Introduction to Geometric Theories:* Dr. Lehr.
Prerequisite: Mathematics 202c.

303a. *Introduction to Abstract Algebra:* Dr. Lehr.
Prerequisite: Mathematics 202c.

[304a. *Theory of Probability and Statistics:* Dr. Lehr.]
Prerequisite: Mathematics 201.

310. *Theory of Functions of a Complex Variable:* Instructor to be announced.
Prerequisite: Mathematics 301.

[311b. *Differential Equations:* Mr. Oxtoby.]
Prerequisite: Mathematics 301 (may be taken concurrently).

Music

PROFESSOR: HORACE ALWYNE, F.R.M.C.M.

ASSISTANT PROFESSOR: ROBERT L. GOODALE, A.B., B.Mus., A.A.G.O.

DIRECTOR OF ORCHESTRA AND ENSEMBLE GROUPS:
WILLIAM REESE, Ph.D.

Individual students may be directed in special work by means of private conferences. Graduate students are cordially invited to join the orchestra and chamber music groups organised by the department.

Seminary: Free Composition: Mr. Alwyne.

Requirements for admission: the four undergraduate courses in Harmony and Counterpoint; or the student must satisfy the instructor that she is qualified to enter. This seminary deals with the application to Free Composition of the preceding courses in Harmony and Counterpoint.

The seminary meets two hours weekly.

ADVANCED UNDERGRADUATE AND FREE ELECTIVE COURSES

Students in the courses in History and Appreciation of Music must devote two hours or more a week to listening to gramophone records assigned by the department.

101.* *History and Appreciation of Music:* Mr. Alwyne.

A comprehensive survey from the period of Bach to the end of the nineteenth century, with special emphasis on the technique of intelligent listening.

201.* *Advanced History and Appreciation of Music:* Mr. Alwyne.

A more amplified and intensive study of nineteenth century music. The Symphonic Poem, Art-Song and Music-Drama. Expansion of orchestral and pianoforte technique; development of symphonic and chamber-music forms; growth of Nationalism.

Prerequisite: Music 101 or its equivalent.

301c.* *Third Year History and Appreciation of Music:* Mr. Alwyne.

The development of Opera and Music-Drama. The trends of Twentieth Century Music and significant representative works.

Prerequisites: Music 101 and 201 or their equivalents.

102.* *Elementary Harmony:* Mr. Goodale.

Principles of melodic writing, in one and two voices. Harmony in four voices. Triads in root position, first and second inversions; 7th chords; modulation. Formal and harmonic analysis. Sight singing and dictation.

202.* *Advanced Harmony:* Mr. Goodale.

Continuation of Music 102. Original composition in the larger forms. Advanced analysis. Sight singing and dictation.

Prerequisite: Music 102 or its equivalent.

203c.* *Elementary Counterpoint:* Mr. Goodale.

Composition and analysis of counterpoint in the style of the sixteenth century.

Prerequisite: Music 102 or its equivalent.

302c.* *Advanced Counterpoint:* Mr. Goodale.

Composition and analysis in the style of Bach. This will include a study of the large contrapuntal forms.

Prerequisite: Music 102 and 203c or the equivalent.

Philosophy

PROFESSOR:	MILTON CHARLES NAHM, B.Litt., Ph.D.
VISITING PROFESSOR:	PAUL SCHRECKER, Ph.D.
ASSOCIATE PROFESSORS:	ISABEL SCRIBNER STEARNS, Ph.D.
	GEDDES MACGREGOR, B.D., D.Phil., LL.B.
ASSISTANT PROFESSOR:	HUGUES LEBLANC, Ph.D.
LECTURER:	JOSÉ MARIA FERRATER MORA, *Licenciado*

A minimum of three seminaries, historical and systematic, is offered each year. Each seminary meets two hours weekly. Adjustments will be made in the sequence of the seminaries listed below according to the needs of the students. Students have the privilege of becoming auxiliary members of the Fullerton Philosophy Club, which meets each month at the Deanery, and at which papers are read by members of the faculties of the University of Pennsylvania, Bryn Mawr, Swarthmore, Haverford and other near-by colleges.

Seminary: Dr. Nahm.

1950-51: *Ethics.*

The Ethics of Kant and Hegel; or The History of English Ethics; or Henry Sidgwick and contemporary British Moralists.

1951-52: *Kant.*

Critique of Pure Reason.

1952-53: *Aesthetics.*

A systematic and historical analysis of problems in the philosophy of art.

Seminary: Dr. Stearns.

1950-51: *Epistemology.*

An historical and systematic study of the function of reason and other agencies of knowledge.

1951-52: *Metaphysics.*

A study of such problems as the nature of time, the one and the many, the individual, appearance and reality.

1952-53: *Plato.*

A detailed study of the later dialogues.

Seminary: Dr. Leblanc.

1950-51: *British Empiricism.*

The philosophies of Locke, Berkeley, and Hume.

1951-52: *The Theory of Meaning.*

Detailed study of meaning in the light of developments in modern logic.

1952-53: *Logic.*

A systematic study of one or more topics in logical theory.

ADVANCED UNDERGRADUATE AND FREE ELECTIVE COURSES

203a. *Philosophy and Religion:* Dr. MacGregor.

The nature and interpretation of religion and the relation between religion and philosophy.

203b. *Mediæval Philosophy:* Dr. MacGregor.

The influence of Greek philosophy on mediæval thought; the philosophy of the early Christian Fathers and of the Schoolmen; the Thomist synthesis.

301a. *Aesthetics:* Dr. Nahm.

Types of aesthetic theory and problems of aesthetic experience.

301b. *Problems of Philosophy:* Dr. Leblanc.

A study of existential or empirical philosophies.

[302a. *Plato:* Dr. Stearns.]

A study of the later dialogues.

302b. *Philosophy of History:* Dr. Schrecker.

The philosophical interpretation of history, its meaning and laws.

Physics

Professor: Walter C. Michels, Ph.D.
Assistant Professors: Rosalie C. Hoyt, Ph.D.
John R. Pruett, Ph.D.

One or two graduate seminaries in theoretical physics are offered each year. In addition, a seminary in experimental physics is arranged individually for students desiring it, and generally serves as an introduction to a research problem. Each full-time graduate student majoring in the department is expected to carry on some experimental work in every year. Students electing physics as their major subject for the degree of Doctor of Philosophy are in general expected to offer mathematics as an allied subject. They may substitute chemistry, biology or geology if their mathematical training is accepted as adequate for their work in physics.

Every candidate for a graduate degree is expected to have completed Physics 304 or its equivalent.

Seminary: Experimental Physics: Dr. Michels, Dr. Hoyt, Dr. Pruett.

Seminary: Dr. Michels.
1950-51: *Electromagnetic Theory.*

Seminary: Dr. Pruett.
1950-51: *Nuclear Physics.*

Seminary: Dr. Hoyt.
1951-52: *Quantum Mechanics.*

Seminary: Dr. Michels.
1951-52: *Physics of the Solid State.*

Advanced Undergraduate and Free Elective Courses

303. *Introduction to Experimental Physics:* Dr. Michels.
Three lectures, four hours laboratory a week. Prerequisites: Physics 206 and Mathematics 201 (either may be taken concurrently).

304. *Introduction to Theoretical Physics:* Dr. Hoyt.
Four lectures a week. Prerequisites: Physics 206, Mathematics 201, and Physics 303 (may be taken concurrently).

305. *Physical Measurements:* Dr. Michels and Dr. Pruett.
Four hours laboratory a week. Prerequisites: Physics 303 or Physics 304 (either may be taken concurrently).

[351.* *Application of Physics to Biology and Chemistry:* Dr. Hoyt.]
Three lectures, four hours laboratory a week. Prerequisites: Physics 101 and Mathematics 101 and second year work in either Chemistry or Biology.

Political Science

The Caroline McCormick Slade Department of Political Science

PROFESSORS:	ROGER HEWES WELLS, Ph.D. K. LAURENCE STAPLETON, A.B.
ASSISTANT PROFESSORS:	PETER BACHRACH, M.A. GERTRUDE C. K. LEIGHTON, A.B., LL.B.
ASSOCIATE PROFESSOR OF ECONOMICS:	JOSHUA C. HUBBARD, Ph.D.
ASSOCIATE PROFESSOR OF PHILOSOPHY:	ISABEL SCRIBNER STEARNS, Ph.D.

Two or more seminaries are usually offered each year from the following:

Seminary: Problems in Political Theory: Miss Stapleton.
(Not given in 1950-51)

The seminary is devoted to an analysis of the concepts of law, sovereignty, rights and citizenship.

Seminary: The World Community and Law: Miss Leighton.

Readings and discussion of various current problems in international law and organization. The seminary will include some analysis of the ideas and method contributed by Lasswell, MacIver, Linton and others.

Seminary: American Constitutional Law: Mr. Bachrach.

Among the topics studied are: the development of civil rights; the commerce clause; the due process clauses; taxation; and the general problems of federalism. Relevant Supreme Court decisions are discussed in detail.

Seminary: Public Administration: Semester I: Dr. Wells.

Public administration in the modern state, American and comparative. Subjects covered: administrative organization; the legislature and administration; public relations of administrative agencies; inter-governmental relations; government personnel problems; financial administration.

Seminary: Comparative Government: Dr. Wells.
(Not given in 1950-51)

The governments selected for comparative analysis are Britain, France, Germany, Soviet Russia and the United States. In the first semester, particular attention will be devoted to Germany in its internal and international aspects.

JOURNAL CLUB

Graduate students are expected to attend the meetings of the combined History, Economics and Political Science Journal Club.

ADVANCED UNDERGRADUATE COURSES

301. *The Theory and Practice of Democracy:* Dr. Wells, Miss Stapleton, Dr. Hubbard and Dr. Stearns.

See Interdepartmental Course 301, p. 53.

302a. *Ancient and Medieval Political Theory:* Dr. Wells.

A history of Western political ideas from the beginnings to 1500. Greek, Roman and Patristic political thought; medieval theories of the relation of church and state; feudalism and constitutionalism.

305b. *American Political Theory:* Mr. Bachrach.

While some attention is given to the English and colonial origins, the main emphasis of the course is on the development of American political ideas from 1750 to the present.

Psychology

ASSOCIATE PROFESSOR: RACHEL DUNAWAY COX, Ph.D.
ASSISTANT PROFESSOR: JOE KENNEDY ADAMS, Ph.D.
INSTRUCTOR: DOROTHY ELVIRA YATES, M.A.

Appointment to be announced.

Seminary: Theory of Measurement: Dr. Adams.

Problems of meaning and measurement in psychology, including a detailed analysis of nominal, ordinal, interval, and ratio scales. Semantics and psychophysics are stressed.

Seminary: Emotion and Motivation.

(Not given in 1950-51)

Survey and evaluation of theories of emotion and motivation on the basis of recent experimental work in these fields.

Seminary: Experimental Psychology: Miss Yates.

Two hours of discussion and a laboratory each week will be devoted to assigned experiments representative of a field that the class selects, or to original experimentation.

Seminary: Psychopathology: Instructor to be announced.

Problems of abnormal psychology.

Seminary: History of Psychology.

(Not given in 1950-51)

Seminary: Social Psychology: Dr. Adams.

(Not given in 1950-51)

Seminary: Learning: Miss Yates.

(Not given in 1950-51)

Seminary: Neuroanatomy and Physiological Psychology: Dr. Oppenheimer and instructor to be announced.

(Not given in 1950-51)

The first semester is devoted to lectures and laboratory work in neuroanatomy; in the second semester the emphasis is on topics in physiological psychology.

Seminary: Research Problems: Dr. Adams.

(Not given in 1950-51)

Methods of measurement, statistical techniques, practice in observation and acquaintance with standard types of apparatus are stressed.

Seminary: Advanced Mental Tests. Dr. Cox.

A study is made of the structure and theoretical orientation, the uses and limitations of a variety of standardized measures of intelligence, aptitude and personality. Case study emphasis. 2 hours seminar, 3 hours laboratory a week.

For graduate work in Educational Psychology see the Department of Education (pages 27-28).

ADVANCED UNDERGRADUATE COURSES

301. *Advanced Experimental Psychology:* Miss Yates.

Three hours a week will be devoted to discussion of representative experiments in sensation and perception and in learning and motivation, with emphasis upon theory and design. There will be about two hours of laboratory a week. Prerequisites: Psychology 101, 204a.

302a. *Clinical Psychopathology:* Instructor to be announced.

Concepts of "normality", types of abnormality, methods of investigation, and principles of psychotherapy. Three lectures a week. The field work connected with this course consists in attendance at the clinic conducted by Dr. Edward A. Strecker, Professor of Psychiatry, School of Medicine, University of Pennsylvania, one hour a week. Prerequisites: Psychology 101, 201a, 202b, 203a, 204b.

302b. *Psychology of Personality:* Instructor to be announced.

The study of the problems of development and organization of personality. Three lectures a week. Prerequisites: Psychology 101, 201b, 302a.

Russian

Assistant Professor: Frances de Graaff, Ph.D.
Instructor: Olga Lamkert

Associate Professor of English: Bettina Linn, M.A.

Undergraduate Courses

1. *Elementary Russian:* Dr. de Graaff.

101. *Intermediate Russian:* Dr. de Graaff.
Composition and conversation; reading in Russian literature and contemporary material. Prerequisite: Elementary Russian.

201. *Readings in Russian Literature:* Miss Lamkert.
Representative writers of the nineteenth century. Conducted mostly in Russian.

An advanced course, given in Russian, is selected from the following:

301. *Russian Poetry of the Nineteenth Century:* Dr. de Graaff.

302. *Pushkin and his Time:* Dr. de Graaff.

303. *Russian Literature of the Twentieth Century*: Dr. de Graaff.

304. *Social Trends in Nineteenth Century Russian Literature:* Dr. de Graaff.

Free Elective Courses

[202. *General Readings in Russian:* Miss Lamkert.]
Primarily intended for students who want a good reading knowledge of the language, but are not majoring in Russian. The reading texts cover a variety of subject matter, such as history, economics, politics, science, as well as literature. Some lectures in Russian about the cultural background of Russia are included, with oral reports by the students and discussion of specific topics in Russian.

[203. *Russian Literature in Translation:* Miss Linn.]
The leading Russian writers of the nineteenth century in translations. Students registering for the course should read in the preceding summer the following novels: Dostoevsky's *Crime and Punishment,* Tolstoi's *War and Peace,* and two of Turgenev's novels.

Social Economy

The Carola Woerishoffer Department
of
Social Economy and Social Research [1]

PROFESSOR:	FLORENCE PETERSON, M.A.
ASSOCIATE PROFESSOR:	HERTHA KRAUS, Ph.D.
LECTURER AND SUPERVISOR OF SOCIAL CASE WORK:	MARY MARGARET ZENDER, M.A., M.S.S.
LECTURER IN MEDICAL SOCIAL WORK:	MURIEL JANET GAYFORD, M.S.P.A.
LECTURER IN SOCIAL RESEARCH:	KATHERINE LOWER, Ph.D.
SPECIAL LECTURERS IN PSYCHIATRIC INFORMATION:	LEON J. SAUL, M.D. M. ROYDEN C. ASTLEY, M.D.
SPECIAL LECTURER IN MEDICAL INFORMATION:	ARTHUR M. ROGERS, M.D.

The Department maintains several types of programs leading toward different degrees. The programs for the M.A. and the Ph.D. are for students who are primarily interested in theory and intensive research in a chosen special area. The curriculum of studies includes sociological and social theory, labor relations, and research in industrial and social conditions.

The program leading to the degree of Master of Social Service includes four semesters and a ten-week summer session between the first and second years. The program is designed to prepare students for work in the various social services and offers three major areas of concentration—social casework, community organization and social research. In general, candidates for the M.S.S. degree are required to take *History of Social Welfare, Physical and Psychological Development of the Individual* and *Introduction to Social Research* during the first semester of their first year and *Legislation for Social Security, Problems of Physical and Mental Disease* and *Casework I* during the second semester of their first year, and *Social Research* during the first semester of their second year. Further requirements are contingent upon the candidate's field of concentration. Elective courses may be taken in other departments of the College.

Each seminary meets two hours a week.

[1] For additional information write for Bulletin of The *Carola Woerishoffer* Graduate Department of Social Economy and Social Research.

History of Social Welfare (first semester): Dr. Kraus.

Principles and practices of the more important earlier methods of assisting the poor, the physically, mentally and socially handicapped, and of the major community resources developed for the purpose both here and abroad.

Legislation for Social Security (second semester): Dr. Kraus.

Social legislation in the United States, current and pending, with emphasis on the changes in fundamental concepts. Important social legislation in other countries is used as comparative material.

International Welfare Services: Dr. Kraus.

The history and principles of international cooperation for social welfare in the fields of war and disaster relief, and international aid to rehabilitation and resettlement. Special attention is given to the strengthening of the social welfare component in various inter-governmental agency programs and the development of long-range policies and standards for human welfare and suitable methods for their international implementation.

(Offered on request of a sufficient number of students.)

Physical and Psychological Development of the Individual (first semester): The Department and Special Lecturers.

Selected knowledge from the fields of medicine, psychology, and psychiatry regarding normal growth and change of the individual as an integrated, functional organism. The emphasis is on the process of adjustment during growth and the building up of mechanisms for meeting physical and social forces in a changing culture.

Problems of Physical and Mental Disease (second semester): The Department and Special Lecturers.

Knowledge from the related fields of medicine and psychiatry regarding specific disease processes as they commonly appear in social work practice. The emphasis is on those diseases which have an important social component, especially the chronic illnesses, and on related or resulting problems of social maladjustment.

Advanced Psychiatric Information (first semester): Dr. Saul.

Ten lectures giving a systematic presentation of the field of psychiatry as it impinges upon the work of the social case worker. No credit, but required of all students majoring in casework.

UNDERGRADUATE COURSES IN ECONOMICS AVAILABLE TO CANDIDATES FOR THE M.S.S. DEGREE

203a. *The Labor Movement:* Miss Peterson.

History of the American Labor Movement with emphasis upon the political and economic factors which have influenced its development and present characteristics; causes of labor disputes and methods for settlement.

203b. *Employer-Labor Relations:* Miss Peterson.

Significance of collective bargaining; legal aspects; nature of the collective bargaining contract in various industries; wage determination; personnel policies and practices.

PROCESSES AND TECHNIQUES

Social Casework I (second semester): Miss Zender and Miss Gayford.

The generic processes in casework practice; interaction among client, worker, agency, and community developed through class discussion of the student's own material and material introduced by the instructor. Field work: 300 hours.

Social Casework I (summer): Miss Zender and Miss Gayford.

Continuation of generic processes in casework practice. Field work: 300 hours.

Social Casework II (one year): Miss Zender.

A study of case material designed to increase the student's skill in dealing with the various problems which bring clients to the social casework agencies. Field work: 600 hours.

Principles of Medical Social Work (one year): Miss Gayford.

Medical social casework in various medical settings with emphasis upon understanding the social and emotional component in illness and in medical care; administrative problems of medical social work. A series of medical lectures, clinic observation and participation in medical conferences are arranged at various medical schools in Philadelphia. Field work: 600 hours.

Community Organization (first semester): Dr. Kraus.

Past and present methods and trends in the organized planning, promotion, and implementation of social welfare programs in different functional fields and in relation to their operation on different levels of government.

Students majoring in Community Organization will be assigned block field work during one summer. (375 hours.)

Social Administration (second semester): Dr. Kraus.

The principles and procedures of administration as applied to public and private social agencies; inter-agency relations. Opportunities for field work and research will be arranged according to the interests and qualifications of the students.

Introduction to Social Research (first semester): Dr. Lower.

Principles, methods and use of social research.

Required of all candidates for degrees who have not had an equivalent undergraduate or graduate course.

Social Research (first semester): Dr. Lower.

The more advanced methods and recent developments in social research as well as application of research methods in the planning and execution of specific projects.

Sociology and Anthropology

Associate Professor of Anthropology: Frederica de Laguna, Ph.D.

Appointment to be announced.

Associate Professor of Social Economy: Hertha Kraus, Ph.D.

Undergraduate Courses

101. *Anthropology:* Dr. de Laguna.

Race classification and differences; human origins, the development of culture; contemporary primitive cultures and societies.

201. *Social Institutions:* Dr. de Laguna.

Informal social groupings, institutions, classes and castes in various countries, and ethnic groups in our society, with reference to structure and attitudes. Special attention is given to the Family as an institution.

202a. *Principles of Social Welfare:* Dr. Kraus.

Study of the principal social problems in modern industrial society and the means adopted for their solution by public and private agencies.

202b. *Child Welfare:* Dr. Kraus.

Basic problems and methods of providing social and health services for children.

204. *American Archæology:* Dr. de Laguna.

Offered every other year: 1950-1951.

205. *Ethnology:* Dr. de Laguna.

Method and theory; cultural dynamics; relationship of the individual to culture.

310. *Social and Cultural Theory:* Instructor to be announced.

Factors involved in the interpretation of society and culture; nature of social interaction, control and change, with particular concern for the social problems involved.

Spanish

DEAN OF THE COLLEGE: DOROTHY NEPPER MARSHALL, Ph.D.
ASSOCIATE PROFESSOR: MANUAL ALCALÁ, Litt.D.
LECTURER: JOSÉ MARIA FERRATER MORA, *Licenciado.*

Each seminary meets two hours weekly.

Seminary: Dr. Alcalá.
1950-51: *Humanists of the Sixteenth Century.*

Two of the following seminaries will be given in subsequent years:

Cervantes: Dr. Alcalá.

Spanish Drama of the Golden Age: Mr. Ferrater Mora.

Twentieth Century Spanish Literature: Dr. Marshall.

Eighteenth Century Spanish Thought: Mr. Ferrater Mora.

ADVANCED UNDERGRADUATE COURSES

301a. *The Age of Cervantes:* Dr. Alcalá.

301b. *Spanish Drama of the Golden Age:* Mr. Ferrater Mora.

303. *Spanish Essay of the Nineteenth and Twentieth Centuries:* Mr. Ferrater Mora.

Interdepartmental Courses

The following courses are given by several departments in cooperation. The object is to cut across well defined areas of knowledge and to show the relationships existing among them.

[202.* *Aspects of Eighteenth Century Life and Thought:* Dr. Manning, Dr. Northrop, Miss Stapleton.]

[203.* *The Development of Scientific Thought:* Dr. Wyckoff, Dr. Oppenheimer.]

The study of the development of scientific ideas and techniques in chronological sequence, and their origins, interrelationships, and impact on other intellectual activities of various periods. Open to students who have had one year of laboratory science in college. (This course is also listed as Biology 307 and as Geology 306*.]

301.* *The Theory and Practice of Democracy:* Dr. Wells, Miss Stapleton, Dr. Stearns, Dr. Hubbard.

The fundamental concepts of democracy and their expression in governmental institutions; their relationship to contemporary political problems.

THE DEGREES OF MASTER OF ARTS AND DOCTOR OF PHILOSOPHY

Bryn Mawr College awards the degrees of Master of Arts, Doctor of Philosophy, and Master of Social Service. Pamphlets containing full information about the degrees of Master of Arts and Doctor of Philosophy may be obtained on request from the Office of the Dean of the Graduate School. For the requirements for the degree of Master of Social Service see page 48 of this Calendar.

THE DEGREE OF MASTER OF ARTS

The degree represents the completion of a coordinated program of graduate work which, for a well prepared candidate, requires a minimum of a full year of graduate study. Work for the degree may be spread over two or three academic years which need not be in succession but must be included in a five-year period. Only courses taken at Bryn Mawr College are credited for the degree.

Prerequisites. The prerequisite for the M.A. degree is an A.B. degree or its equivalent from an American college of recognized standing[1] or a degree or certificate of the same standard from a foreign university. The preparation must include such undergraduate work in the candidate's major subject and allied fields as various departments shall require.

Application. The candidate must apply for the degree in the department of the major work and must receive the endorsement of the department for the program of work. The application and the program endorsed by the major department must be submitted to the Dean of the Graduate School not later than December first of the academic year in which the candidate wishes to take the degree.

Language Requirement. A reading knowledge of French and German is in general required of all candidates. For the reading knowledge of one of these languages, certain departments may accept another language or a special technique. The only departments which regularly accept substitutes for French or German are Economics, Educational Psychology, Geology, Political Science, Psychology, Social Economy, and Spanish. Candidates whose major work is in French or German must offer a reading knowledge of another language.

[1] In general, this term has been interpreted to mean colleges of the United States and Canada on the approved list of the Association of American Universities. Graduates of other American and Canadian colleges may, at the request of a department, be admitted to candidacy on probation. At any time after the completion of one semester of graduate work at Bryn Mawr College the Graduate Committee may, on the recommendation of the department, accept the student on probation as a candidate.

A student whose mother tongue is French may offer German and English as languages to meet this requirement. A student whose mother tongue is German may offer French and English. A foreign student whose mother tongue is not French, German or English may offer French or German and English. The requirement in English shall be met by a certificate from the student's major department that her English is adequate or by a special examination given by her department not later than January in the year in which the degree is to be taken. This special regulation for foreign candidates does not prevent a department from refusing admission to any seminary to a student whose language equipment is not satisfactory for that seminary.

The language requirement is met by passing one of two types of papers, hereafter referred to as the A.B. and the Ph.D. types. (1) A.B. type: a general test of reading at sight and with a dictionary which is given by Bryn Mawr College to candidates for the A.B. degree. (2) Ph.D. type: a test set by the major department in reading at sight and with a dictionary technical material in the candidate's field such as is required of Ph.D. candidates at Bryn Mawr College. Departments vary in the type of paper required.

Examinations in languages and in the techniques which may be substituted for one language will be held three times each year, in October, January, and April. The April examination is open only to candidates for the degree in later years. The two examinations required of each student must be passed by January of the academic year in which the student is a candidate; for students who take more than one year for the degree, both examinations must be passed by January of the year in which the last full unit for the degree is taken.

Students are expected to prepare for these examinations before entering upon the work for the M.A. degree and are strongly urged to take both examinations in October. Students who do not meet the two requirements in languages and techniques in October may find it impossible to carry a full program and complete the requirements for the degree in one year. All departments except Biology, Classical Archæology, Mathematics, and Spanish refuse to accept as candidates in the current year students who have not passed at least one of the examinations in October.

Program of Work. The candidate's program must include three units of work: (1) one seminary or graduate course; (2) a second seminary or supervised unit of graduate work; (3) a third seminary or an undergraduate course recommended by the major department. If undergraduate courses are included in this last unit, they must be supplemented by organized individual work. Under certain circumstances advanced undergraduate courses in science can be counted as seminaries, subject to the approval of the department and the Dean of the Graduate School. It is expected that this program will frequently include study in an allied field. Candidates whose major department conducts a Journal Club are expected to include the Journal Club in their registration.

Special Field. The candidate shall, in consultation with the major department, select a special field for the M.A. paper and the Final Examination. It is expected that this field will normally relate to one of the seminaries or units of graduate work in the candidate's program.

Final Requirements.

1. *Courses.* Before the Final Examination period, candidates must have completed to the satisfaction of their instructors the courses registered for the degree. No candidate will be admitted to the Final Examination if a course is reported as unsatisfactory.

2. *Paper in the Special Field of the Student's Major Subject.* Every candidate must present a paper in the special field. The paper may take the form of a report on a special piece of investigation carried on throughout the year or during a definite period, or of a problem which is assigned to be completed during a specified limit of time.

3. *An Examination.* Every candidate must pass a Final Examination which shall test her ability to place the special field in a general background of her major subject.

The Final Examination may not be taken until

(1) the language requirements have been met (by January of the year in which the last full unit for the degree is registered);

(2) the three units have been reported as satisfactory;

(3) the paper in the special field has been accepted.

THE DEGREE OF DOCTOR OF PHILOSOPHY

The course of study for the degree of Doctor of Philosophy at Bryn Mawr College is designed to prepare the candidate for a professional career as a scholar. The course offers the student the opportunity to acquire a broad general background in the chosen fields of knowledge and practice in research in these fields. The degree is awarded after the student's general knowledge and ability in research have been tested by examination and by a dissertation.

The candidate for the Ph.D. degree should have ability of high order, intellectual curiosity and critical judgment, independence, a broad general education, fundamental training in the major and allied fields and the determination needed to carry through an exacting program.

The general requirements for the Ph.D. degree, to which should be added the specific regulations of the various departments, are:

1. An undergraduate preparation in major and allied fields which is satisfactory to the departments concerned and to the Graduate Committee.

2. A course of study requiring a minimum, which will usually be exceeded, of three full years of graduate work in major and allied fields; two of these years, or for holders of the A.B. degree from Bryn Mawr College one, must be spent in the Graduate School of Bryn Mawr College. Candidates are strongly advised to complete at least seven units of graduate work including five graduate courses; there are, however, no formal course requirements for students who have been accepted as candidates for the degree.

3. The acceptance of the student as a candidate by the Director of her work, by members of her major department, and by the Graduate Committee.

4. A reading knowledge of French and German, tested by a written examination in the translation of French and German texts in the field of the major subject.

5. A satisfactory Preliminary Examination in the candidate's major and allied fields. This examination is intended to test the candidate's general knowledge of the fields rather than familiarity with particular courses.

6. The preparation of a dissertation judged to be a contribution worthy of publication. The dissertation must represent independent investigation in the field covered by the major subject. It must contain new material, results or interpretations.

7. A satisfactory Final Examination in the special field of the major subject in which the dissertation has been written.

8. The publication of the dissertation in whole or in part. Microfilming is accepted as a method of publication.

THE LIBRARY

The M. Carey Thomas Library now contains over 210,000 volumes and approximately 14,000 pamphlets. Over one thousand periodicals are received currently in all languages taught in the college. Books pertaining more particularly to graduate studies as well as bound periodicals and some reference works are kept in the fourteen seminary rooms of the main library for the exclusive use of graduate students and faculty. Material pertaining to the sciences is shelved in the two science buildings, Park Hall and Dalton Hall, where are the five science collections: geology (including over 25,000 maps on deposit from the Army Map Service and thousands of others from various other geological services of the world) and chemistry in the former, and physics, biology and mathematics in the latter.

The open shelf system provides the maximum of free access to the stacks as well as to the seminaries so that almost all books except those in the Rare Book Room are directly available to the students.

Carrels are provided for the use of graduate students in the new part of the library called the West Wing. Here too is the Quita Woodward Memorial Room where about 1300 titles, especially selected for leisure time reading, are shelved.

Bryn Mawr students have the privilege of using the library of nearby Haverford College upon presenting a card of introduction. This college's book collection is made easily available by the interfiling of all "author" cards for Haverford books in the Bryn Mawr dictionary catalogue.

Other facilities available to graduate students are the rich resources in the libraries of the Philadelphia area. Through the services of the Union Library Catalogue in the Fine Arts Building at the University of Pennsylvania any volumes within the area may be easily located. The Philadelphia Bibliographical Center and Union Library Catalogue has recorded over 3,500,000 titles in over 160 libraries in the region by which research workers are aided in bibliographical problems outside the scope of any one library. Through this channel the great collections of the University of Pennsylvania, the Free Library of Philadelphia, the Historical Society of Pennsylvania as well as the Library Company of Philadelphia, the American Philosophical Society, the Franklin Institute, the Academy of Natural Sciences, the College of Physicians, Swarthmore College and Temple University are made available.

The library grants the privilege of borrowing books to all registered students and gives to Bryn Mawr graduate students letters of introduction to other libraries for the purposes of reference. The library is open daily, except Sunday, from 8 A.M. to 10 P.M. and on Sunday from 2 P.M. to 10 P.M.

RESIDENCE AND EXPENSES

Every graduate student must register immediately at the office of the Dean of the Graduate School.

Holders of resident fellowships and scholarships are expected to live in the Graduate Center, which consists of a residence hall and two small apartments close by. Other graduate students may live in the Graduate Center if rooms are available. Students not in residence are expected to make arrangements satisfactory to the Dean of the Graduate School. With the exception of four double rooms, all rooms in the Graduate Center are single. They are fully furnished except for rugs, curtains, and towels, which the student is expected to provide.

Application for a room should be made as early as possible. A room-contract, which will be sent on request, must be signed and returned with the registration fee of ten dollars to the Dean of the Graduate School. The amount of this fee will be deducted from the residence fee. The registration fee will not be refunded under any circumstances. A student in residence or a new student who cancels her reservation after September first prevents some other student from obtaining accommodation. Therefore unless a student sends notice of withdrawal in writing to the Dean of the Graduate School before September first, she is responsible for that portion of the residence charge which the College loses by reason of her withdrawal, whether she fails to occupy the room at all or vacates it during the year. Appropriate reduction or remission is made for that portion of the residence fee which represents reduced expense to the College for food; a further remission or reduction is made if the College is able to reassign the student's room to some other student not previously in residence. The student herself is not entitled to dispose of the room she leaves vacant. In case of absence from the College extending over six weeks or more, owing to illness, there will be a proportionate reduction in the charge for the cost of food.

The regular charge for residence (room and board) for graduate students is $750 a year, payable $450 in the first semester and $300 in the second semester. The charge for residence for occupants of the four double rooms is $675 a year, payable $375 in the first semester and $300 in the second semester.

The residence halls are closed during the Christmas vacation but accommodations in the neighborhood can usually be secured by graduate students who wish to continue their work. During the spring vacation one hall of residence is kept open and graduate students may occupy rooms in it at a fixed rate. Any student remaining in Bryn Mawr or nearby and not in the College or in her own home for all or part of a vacation must make arrangements satisfactory to the Dean of the Graduate School.

The College reserves the right to exclude at any time students whose conduct or academic standing renders them undesirable

members of the college communiy. In such cases fees due or paid in advance will not be refunded or remitted in whole or in part; fellowships and scholarships will be cancelled.

The College reserves the right, if parents cannot be reached, to make decisions concerning emergency operations or other matters of health in regard to the students.

The tuition fee for graduate students is four hundred dollars a year, payable one half on registration and the other half at the beginning of the second semester. For students registered for less than full-time work the fees are as follows:

For one graduate course or seminary, or one unit of independent work $150

For one undergraduate course 175
(Candidates for the degree of Master of Arts or Master of Social Service are charged $150 for an undergraduate course which is taken in partial fulfilment of the requirements for that degree.)

Fees for auditors are the same as for students registered in courses for credit.

Students in the departments of Physics, Chemistry, Geology, Biology, and Psychology, whose laboratory or field work is done in connection with a graduate course or an advanced undergraduate course that may be counted for an advanced degree, are charged a laboratory fee of $10 a semester for each course, the maximum fee charged not to exceed $25. The fee for laboratory work done in connection with a first or second year undergraduate course is $15 a semester.

All students taking courses which require field work in the Department of Social Economy and Social Research are charged a laboratory fee of $10 a semester for each course taken during the academic year and a fee of $10 for summer field work. This fee covers a part of the expenses of field supervision. In addition students are required to meet their travelling and incidental expenses while working in the field during the academic year and vacations.

The graduation fee for Doctors of Philosophy, Masters of Arts, and Masters of Social Service is $20.00.

The Office of the Recorder will supply on request one transcript of the record of each graduate student free of charge. For additional transcripts a charge of $1.00 each will be made.

SUMMARY OF TOTAL EXPENSES FOR THE ACADEMIC YEAR

Tuition fee (not counting laboratory fees)	$400
Residence	750
Total	$1150

For occupants of the four double rooms in the Graduate Center the residence fee is $675 and the total expenses are $1075.

Students whose fees are not paid before November first in the first semester and before March first in the second will not be permitted to continue in residence or to attend their classes. No reduction of the tuition fee will be made on account of absence or dismissal or for any other reason.

GRADUATE CLUB

All resident students in the Graduate School are members of the Graduate Club and non-resident students may become members. The organization of the life of the graduate students in all matters not purely academic or affecting hall management is in the hands of the club. The President of the Graduate Club is a member of the College Council, a non-legislative body which meets periodically to discuss matters concerning the College as a whole. The Council of the Graduate Club considers policies relating particularly to the Graduate School.

HEALTH

Every graduate student whether resident or non-resident must file a physician's certificate stating that she has been vaccinated against smallpox during the year before entrance to the Graduate School and that she exhibited a typical or immune reaction to this vaccination. Students who do not certify to vaccination will be vaccinated by the College Physician and charged a fee of two dollars. There is no exception to this rule.

Every entering resident graduate student is required to file at the office of the Dean of the Graduate School, on a blank to be secured from the Dean of the Graduate School, a report of a recent medical examination, filled out and signed by a physician.

Resident students must present on a separate blank a statement of immunization against tetanus by toxoid and of evidence of a negative Schick test. If these have not been done by the time the student arrives in Bryn Mawr, the College Physician will make the tests at the time of the initial physical examination at a fee of one dollar for each test.

Every resident graduate student must file a certificate stating that her eyes have been examined by an oculist within six months before entrance to the Graduate School. Failure to comply with the above rule entails an examination by one of the college consultants for which the student will be charged as a private patient by the ophthalmologist who makes the examination.

Every resident graduate student has a chest X-ray film at the beginning of each year. These are 70 mm. photofluorographs made at a fee of about two dollars each. If necessary the plate is checked with stereoscopic celluloid films, the fee for which is five dollars. Any graduate student who has had a chest X-ray within three months preceding the opening of any year will be excused from this procedure, provided a complete report has been filed with the College before September fifteenth of the year in question.

Every resident graduate student is examined each year by the Physician of the College, with reference to physical development and general health. Any graduate student who at the time of the examination or at any time during the year is not in good health is placed on the health supervision list.

The College Physician is in her office in the college infirmary daily and may be consulted by the students without charge. Specialists practicing in Bryn Mawr and Philadelphia serve as consulting physicians to the College. The fees of the consulting physicians and surgeons and other specialists recommended by the College will be furnished on request. The infirmary is open when college is in session and during the spring vacation. It is closed during the Christmas vacation.

The residence charge paid by each resident graduate student entitles her to free consultation with the College Physicians and to treatment in the college dispensary. It also entitles her to be cared for in the infirmary for seven days (not necessarily consecutive) during the year and to attendance by the College Physicians during this time and to nursing, provided her illness is not contagious and is not sufficiently serious to require the services of a special nurse. The fee for each day in the infirmary after the seven-day period is six dollars. In case of contagious disease the student must meet or share the expense of special nursing.

Non-resident graduate students may, if they so desire, pay a non-resident infirmary fee of five dollars which entitles them to a medical examination by the College Physician and to dispensary care. Non-resident students may also take the opportunity to have a paper plate chest X-ray at a fee of about two dollars when the annual college X-ray survey is made in the autumn.

FELLOWSHIPS AND SCHOLARSHIPS

Application

Applications for resident fellowships and scholarships should be made to the Dean of the Graduate School and must be filed not later than March first preceding the academic year for which they are desired. Blanks are forwarded to all applicants by the Dean. Awards are announced each year on April first. Original papers and photographs, sent by applicants in support of their applications, will be returned only if postage is enclosed for that purpose, or specific instructions are given for return by express. Testimonials and letters from professors and instructors are filed for reference.

Applications for scholarships for foreign women must be received not later than April 1st. Awards will be announced before May 1st.

Duties of Resident Fellows and Scholars

Resident fellows and scholars are expected to live in the Graduate Center, to attend official functions of the College, and to assist in the conduct of examinations. Holders of fellowships are expected to give about an hour and a half a week to special work assigned by their departments, and are not permitted to teach or to undertake any other duties in addition to their college work. Holders of scholarships may, with the approval of the Dean of the Graduate School, make their own arrangements to do a limited amount of paid work. Resident fellows and scholars must pay the usual fees and charges (see pages 59-60).

Travelling Fellowships

The Bryn Mawr European Fellowship, value $1000, founded in 1889, is awarded annually to a member of the graduating class, to be applied toward the expenses of one year's study at some foreign university. For the present, it may be held in an American university. The holder of this fellowship receives in addition an Elizabeth S. Shippen Scholarship, value $200.

The Mary Elizabeth Garrett European Fellowship, value $1000, founded by Miss Garrett of Baltimore, is awarded annually for excellence in scholarship to a graduate student at Bryn Mawr College who is a candidate for the degree of Doctor of Philosophy at Bryn Mawr College. It is to be applied to the expenses of one year's study or research abroad, or, in special cases, in the United States.

The Fanny Bullock Workman Fellowship, value $1200, for a year of study or research abroad or in special cases in the United States, was established in 1927 by bequest of Fanny Bullock Workman and by gift of her husband, Dr. W. Hunter Workman. It is awarded to a candidate for the degree of Doctor of Philosophy at Bryn Mawr College who could not have the advantages of such a year without

assistance. At the discretion of the Faculty, the fellowship for any one year may be divided between two students, or the same student may hold the fellowship for more than one year.

The Anna Ottendorfer Memorial Research Fellowship, value $1000, in German and Teutonic Philology, founded in 1907 by Mrs. Anna Woerishoffer of New York City in memory of her mother, is to be applied to the expenses of study and residence for one year at some German university. It is awarded annually to a candidate who has completed at least one year of graduate study at Bryn Mawr College, on the basis of evidence regarding her ability to conduct independent investigations in the fields of Teutonic Philology or German. The choice of a university is determined by the holder's preference subject to the approval of the Faculty.

The Ella Riegel Fellowship or *Scholarship* in Classical Archæology was founded in 1937 by bequest of Ella Riegel. It is awarded on the recommendation of the Department of Classical Archæology and only to advanced students in this subject. It is given for study abroad but may, at the discretion of the department, be used at Bryn Mawr College.

RESIDENT FELLOWSHIPS

Twenty *Resident Fellowships,* value $1250 each, are offered annually in Biology, Chemistry, Classical Archæology, Economics (the Justus C. Strawbridge Fellowship), Educational Psychology, English, Geology, German, Greek, History, History of Art, Latin, Mathematics, Mediæval Studies (the Howard Lehman Goodhart Fellowship), Philosophy, Physics, Political Science, Psychology, Romance Languages (two fellowships), Social Economy (two Carola Woerishoffer Memorial Fellowships), and Sociology and Anthropology. They are open for competition to American and Canadian students who are graduates of colleges of good standing, and who have completed at least one full year of graduate work.

Fellows who continue their studies at the College after the expiration of their fellowships may, by a vote of the Directors, receive the rank of Fellows by Courtesy.

The Helen Schaeffer Huff Memorial Research Fellowship. This fellowship is awarded for a year of research work in Physics or Chemistry at Bryn Mawr College. Candidates must be women who have demonstrated their ability for research. If other qualifications are equal among a number of candidates, preference will be given to a woman whose field of research overlaps the fields of Chemistry and Physics. This fellowship is normally awarded to a post-doctoral candidate to enable her to continue her research program. In such cases the stipend will be $2000. In exceptional cases, candidates engaged in important research who have not completed the work for the doctorate will be considered. For such students the stipend will be smaller, the amount to be determined on the basis of the candidate's qualifications.

The Helen Schaeffer Huff Memorial Research Fellow has no duties except those connected with her own research, but she may arrange with the department in which she is working to do a small amount of teaching if she so desires. The holder of this fellowship may, if she wishes, live in the Graduate Center.

SCHOLARSHIPS FOR FOREIGN WOMEN

By special action of the Directors, five resident scholarships of $1150 each are offered in 1950-51 to qualified foreign students. One of these scholarships is reserved for a candidate from Great Britain. This candidate regularly also holds an English-Speaking Union Fellowship.

Special Foreign Scholarships for French, German, Italian and Spanish have been established for countries whose languages form part of the Bryn Mawr curriculum. Under this arrangement, Bryn Mawr College gives board, lodging, and tuition to the scholars and asks them to devote four or five hours a week to supervised teaching or other assistance in the department.

The Special Scholarship for French has been named by the Board of Directors of Bryn Mawr College in memory of Marcelle Pardé who was a member of the French Department of Bryn Mawr College between 1919 and 1929, and at the time of her death in the German prison camp at Ravensbrück was the Directrice de la Lycée de Jeunes Filles at Dijon.

RESIDENT GRADUATE SCHOLARSHIPS

Nineteen *Resident Graduate Scholarships,* value $650 each, are offered annually in open competition to students who are graduates of colleges of good standing.

In rare cases applicants for these scholarships may, on the basis of financial need, be given a supplementary grant not to exceed $200. Applicants for such grants must fill out a special form giving a report on their financial status. Application should be made by March first.

The *Lillia Babbitt Hyde Foundation Scholarship,* of $1000, in science and pre-medical studies, to be held during the first year of graduate work, is open to students of Biology, Chemistry and Physics. All applicants for resident scholarships for the first year of graduate work in those fields will be considered for this scholarship. The award is made on the recommendation of the three departments.

FELLOWSHIPS AND SCHOLARSHIPS UNDER THE PLAN FOR COORDINATION IN THE TEACHING OF THE SCIENCES

Three Scholarships of the value of $700 each are offered to qualified students who have had undergraduate training in two or more of the natural sciences and who wish to continue study in fields such as Biochemistry, Biophysics, Crystallography, Geochemistry, Geophysics or Psychophysics.

Three Fellowships of the value of $1250 each are offered to candidates in the same fields who, in addition to undergraduate training, have had at least a year of graduate work in science.

These Scholars and Fellows will pay the regular tuition fee of $400 a year and laboratory fees up to $25 a semester. For residence in the Graduate Center an additional $750 will be charged.

NON-RESIDENT GRADUATE SCHOLARSHIPS

Six *Non-Resident Tuition Scholarships,* value $400 each, are offered annually to graduate students whose homes are in the vicinity of the College.

Social Agency Scholarships in Social Economy, value ranging from $500 to $1100 for first-year and second-year students are given by various social agencies and social service departments of hospitals in Philadelphia and the vicinity. Holders will be placed for supervised field work with the agencies giving the scholarships. They may live in the Graduate Center.

The Susan M. Kingsbury Research Grant in Social Economy and Social Research, value $300, is awarded every third year on the recommendation of the Director of the Carola Woerishoffer Graduate Department of Social Economy and Social Research to advanced students, preferably candidates for the degree of Doctor of Philosophy. Holders of this grant may live in the Graduate Center.

SCHOLARSHIPS FOR MEDICAL STUDIES

The Linda B. Lange Fund was founded in 1948 by bequest of Linda B. Lange, of the Class of 1903. The income from this Fund will provide the Anna Howard Shaw Scholarship in Medicine and Public Health to be awarded on recommendation of the President and Faculty to a member of the graduating class or a graduate of the College for the pursuit of studies leading to the degrees of M.D. and Doctor of Public Health.

The Harriet Judd Sartain Memorial Scholarship Fund was founded in 1948 by bequest of Paul J. Sartain. The income from this Fund is to establish a scholarship which will be awarded to a member of the graduating class for the study of medicine. This scholarship may be continued for the duration of her medical course.

DEMONSTRATORSHIPS AND ASSISTANTSHIPS

Demonstratorships and Assistantships varying from one-half to one-third time and enabling the student to carry graduate work with free tuition are open to students in the Departments of Biology, Chemistry, Economics, Geology, History of Art, Mathematics, Philosophy, Physics, and Psychology. For further information candidates should consult the Department and see the departmental announcements issued each year.

RESEARCH ASSISTANTSHIPS

The Susan M. Kingsbury Research Assistantship in Social Economy and Social Research, value $1000 and a remission of tuition, is awarded annually on the recommendation of the Director of the Carola Woerishoffer Graduate Department of Social Economy and Social Research. It is open to graduates of any college of good standing, preferably to advanced students and candidates for the degree of Doctor of Philosophy, who, from either training or experience, have knowledge of methods and techniques in social investigation. The holder will give half of her time to the research of the Department and half of her time to study.

From time to time research assistantships are available in other departments. These assistantships are noted each year on the departmental announcements. They carry a stipend and provide free tuition in the Graduate School.

GRADUATE PRIZE

The Susan B. Anthony Memorial Prize, value $500, commemorating the great work of Susan B. Anthony for women, was founded by her friend, Anna Howard Shaw, and her niece, Lucy E. Anthony. It is offered every two years to a graduate student at Bryn Mawr College who has published or submitted in final form for publication the best study dealing with the industrial, social, economic, or political position of women in the past, present, or future. The award is made by a committee of which the President of the College is chairman.

EMMY NOETHER FELLOWSHIP

The Emmy Noether Fellowship in Mathematics was founded by gifts from many donors in memory of Emmy Noether who came to Bryn Mawr College from Germany in 1933 and who died April 14, 1935. It is open to women in the United States and in foreign countries who are advanced graduate students of Mathematics. It is awarded by the Department of Mathematics in Bryn Mawr College, and may be used, subject to the approval of the Department, at any institution in the United States or in a foreign country.

STUDENTS' LOAN FUND

The Students' Loan Fund of the Alumnæ Association of Bryn Mawr College was founded by the Class of 1890 for the use of students who need to borrow money in order to continue their college work and for the purpose of receiving contributions, no matter how small, from those who are interested in helping students to obtain an education. The fund is managed by the Alumnæ Scholarships and Loan Fund Committee.

The committee in administering this money follows a definite policy, designed to serve the best interests of the students concerned. Loans may be used for any purpose approved by the committee, who strongly recommend the borrowing of small sums to relieve undue financial pressure, or to meet special emergencies. As a rule, money is not loaned to students in their first semester of graduate work.

The terms under which money is loaned are as liberal as is consistent with business-like principles. While the student is in College interest is charged at the rate of one per cent; after the student leaves College the interest rate is two per cent. The entire principal must be repaid within five years from the time the student leaves College at the rate of twenty per cent each year.

Contributions to the Loan Fund may be sent to the Chairman of the Scholarships and Loan Fund Committee, Alumnæ Office, The Deanery, Bryn Mawr, Pennsylvania. Students who wish to borrow from the Loan Fund may obtain application blanks for this purpose from the Alumnæ Office.

Mary Hill Swope Loan Fund

This fund was established June 1, 1945 by a gift of Mrs. Gerard Swope (Mary Hill, A.B. 1896) under the following conditions:

To assist in the education of young women irrespective of color or creed attending Bryn Mawr College, the income of the fund to be loaned to students in the following manner:

1. The following order of preference shall be followed in awarding such loans:
 - A. To students coming from New Jersey.
 - B. To students coming from Missouri.
 - C. To students coming from any other location who have had not less than one year of residence at the College.
2. The loans in the above order of preference, and in the following manner, shall be awarded by the President of Bryn Mawr College, or by a Committee appointed by her from time to time.

3. Applicants for loans shall be considered not only from the standpoint of academic attainment and financial need, but also from the standpoint of character and personal qualifications for deriving the greatest good from a continuation of their studies.
4. These loans shall be used primarily to enable the exceptional student to continue her studies which otherwise would be prevented through lack of means.
5. In the awarding of the loans, the recipient should understand that if in after years she is in a position to do so, she is to repay to the income account of the Loan Fund the amount so loaned to her, with or without interest. It is to be understood that this is entirely a moral obligation upon the recipient.

Bertha Goldstein Memorial Loan Fund

The Bertha Goldstein Memorial Loan Fund, established in honor of Bertha Goldstein, A.B. 1938 and M.A. 1939, is a revolving fund from which, upon recommendation of the Department of Social Economy, a limited number of loans may be made to graduate students of Social Economy. Loans are made without interest and must be repaid within five years.

THE BUREAU OF RECOMMENDATIONS

The College conducts a Bureau of Recommendations for alumnæ, students, and former students. This bureau offers an employment service for permanent, temporary, and part-time positions; and a vocational service for the student body, which includes vocational tests, assistance in choosing a vocation, and the presentation of a series of conferences and lectures. It also acts as a clearing house for letters of recommendation for those who have registered with the bureau. These letters will be sent, upon request, to prospective employers and other agencies.

FELLOWS, SCHOLARS AND GRADUATE STUDENTS
1949-50

Travelling Fellows

HABIB, WADAD *Fanny Bullock Workman Travelling Fellow*
Cairo, Egypt. B.A. American University at Cairo 1946; M.A. Bryn Mawr College 1948.

MARTIN, DENISE NINA *Fanny Bullock Workman Travelling Fellow*
New York, N. Y. A.B. Barnard College 1947; M.A. Bryn Mawr College 1948.

ROBBINS, BEVERLY ANN LEVIN [1] *Bryn Mawr European Fellow, Shippen Foreign Scholar*
Philadelphia, Pa. A.B. Bryn Mawr College 1949.

Resident Fellows

BRUMMETT, ANNA RUTH *Fellow in Biology*
Fort Smith, Ark. A.B. University of Arkansas 1948 and M.A. 1949.

QUINN, MARGARET JOSEPHINE *Fellow in Chemistry*
Philadelphia, Pa. A.B. Bryn Mawr College 1947 and M.A. 1948.

NELSON, WINIFRED IRENE *Fellow in English*
Toronto, Ont., Canada. B.A. University of Toronto 1947 and M.A. 1948; Ph.D. Bryn Mawr College 1950.

HYATT, MARLOU *Fellow in French*
Indianapolis, Ind. B.M. Westminster Choir College 1947; A.B. Barnard College 1948; M.A. Bryn Mawr College 1949.

ALLEN, GLORIA ANN *Fellow in Geology, Semester I*
Merchantville, N. J. A.B. University of Pennsylvania 1948.

RUSSELL, HELEN ELIZABETH *Fellow in Greek*
Nashua, N. H. A.B. Mount Holyoke College 1941; M.A. Bryn Mawr College 1942 and Ph.D. 1950.

ROSSITER, CORLETTE *Fellow in History of Art*
Pasadena, Calif. A.B. Stanford University 1946 and M.A. 1948.

STREET, KATHRYN ROBERTA *Fellow in History*
New Castle, Pa. A.B. Oberlin College 1946; M.A. Bryn Mawr College 1947.

HOFFMAN, MARTHA WILSON *Fellow in Latin*
Berkeley, Calif. A.B. University of California 1943; M.A. Bryn Mawr College 1949.

KIEFER, JANE F. *Fellow in Mathematics*
Ridgewood, N. J. A.B. Randolph Macon Woman's College 1947; M.A. Columbia University 1948.

ENRIGHT-CLARK, DORIS *Howard L. Goodhart Fellow in Mediæval Studies*
New York, N. Y. A.B. Hunter College 1948; M.A. Bryn Mawr College 1950.

[1] Mrs. Leon Robbins, Jr.

NEUMANN, EVA*Fellow in Psychology*
Philadelphia, Pa. A.B. Pembroke College 1948; M.Sc. candidate, Brown University, 1950.

ARONSON, JANET STEARNS*Fellow in Spanish*
Springfield, Mass. A.B. Mount Holyoke College 1947 and M.A. 1948.

HUANG, LIANG.....*Helen Schaffer Huff Memorial Research Fellow*
Shanghai, China. B.S. St. John's University 1942; Ph.D. Cornell University 1950.

Fellow by Courtesy

CRAMER, AILEEN G.....*Fellow by Courtesy in History*
South Hadley, Mass. A.B. Mount Holyoke College 1947; M.A. Bryn Mawr College 1949.

Foreign Scholars

BERNIS MADRAZO, MARGARITA...*Special Foreign Scholar for Spanish*
Madrid, Spain *Bachiller,* Instituto Escuela, 1932; *Licenciade en Ciencias,* Central University of Madrid, 1936.

D'ONOFRIO, VERA*Special Foreign Scholar for Italian*
Rome, Italy. *Laurea,* University of Rome, 1947.

GAUNY, MARIE-ODILE.....*Marcelle Pardé Scholar for French*
Verdun, France. *Licenciée-ès-lettres,* University of Nancy, 1944; M.A. Bryn Mawr College 1950.

JUNGBAUER, SUSANNE.....*Special Foreign Scholar for German*
Vienna, Austria. Ph.D. University of Vienna 1948.

KAWAI, HANNA*Special Japanese Scholar*
Tokyo, Japan. A.B. Phillips University 1930.

KOH, WHANG-KYUNG.....*Special Tuition Scholar, Semester II*
Seoul, Korea. L.L.B. Doshisha University 1931; M.A. University of Michigan 1933 and Ph.D. 1937.

KRNJEVIC, BISERKA **Foreign Graduate Scholar*
London, England. B.A. Newnham College, Cambridge University, 1947.

SHUKRY, LAILA SAYID*Foreign Graduate Scholar*
Cairo, Egypt. B.A. American University at Cairo 1946; M.S.S. Bryn Mawr College 1950.

THOMAS, GWENITH MARGARET TERESA....*British Graduate Scholar and Fellow of The English-Speaking Union*
Leicester, England. B.A. St. Hilda's College, Oxford University, 1949.

WEGGE, RENÉE*Foreign Graduate Scholar, Semester I*
Antwerp, Belgium. *Licenciée en philosophie et lettres,* University of Brussels, 1941.

Graduate Scholars

AMOS, PATSY DAWN.....*Resident Scholar in Biology*
Marietta, Ohio. A.B. Oberlin College 1949; M.A. Bryn Mawr College 1950.

KAPPES, CHRISTEL.....*Lillia Babbitt Hyde Foundation Scholar in Chemistry*
Bryn Mawr, Pa. A.B. Bryn Mawr College 1949.

* Deceased, April 27, 1950.

KAUFMANN, RENATE MATHILDE.....*Resident Scholar in English*
Buffalo, N. Y. A.B. Radcliffe College 1949; M.A. Bryn Mawr College 1950.

MCGINNES, CLAIRE COLLINS [2]....*Non-Resident Scholar in English*
Wilmington, Del. A.B. University of Delaware 1949; M.A. Bryn Mawr College 1950.

FREEDMAN, IRENE ZITA LOIS.....*Resident Scholar in French*
Gardner, Mass. A.B. Western College for Women 1949.

GUTWIRTH, MADELYN KATZ [3].....*Non-Resident Scholar in French*
Haverford, Pa. A.B. Brooklyn College 1947; M.A. Bryn Mawr College 1949.

HORWITZ, AVRIEL*Non-Resident Scholar in French*
Philadelphia, Pa. A.B. University of Pennsylvania 1949.

ASHBY, NANCY LOYD.....*Resident Scholar in Greek*
Geneva, Ill. A.B. Wells College 1949; M.A. Bryn Mawr College 1950.

HUGHES, BARBARA LENORE.....*Resident Scholar in Greek*
Kenosha, Wis. A.B. University of Wisconsin 1949; M.A. Bryn Mawr College 1950.

BAUGHMAN, MILDRED LOIS.....*Resident Scholar in History*
Larchmont, N. Y. A.B. Wilson College 1949.

SILK, DORIS.....*Resident Scholar in History*
Jamaica, N. Y. A.B. Queens College 1948; M.A. Smith College 1949.

DOW, HELEN JEANNETTE*Resident Scholar in History of Art*
Ottawa, Canada. B.A. University of Toronto 1949.

VEALS, MARION ALICE.....*Resident Scholar in History of Art*
Toronto, Ont., Canada. B.A. University of Toronto 1949.

ASHKIN, RUTH*Resident Scholar in Latin*
Brooklyn, N. Y. A.B. Brooklyn College 1949.

ROSE, HARRIETTE JEAN.....*Resident Scholar in Latin*
Toronto, Ont., Canada. B.A. University of Toronto 1948.

NELSON, HAVILAND*Non-Resident Scholar in Latin*
Frederick, Md. A.B. Bryn Mawr College 1934; M.A. University of California 1939.

PURINTON, JEAN*Resident Scholar in Mathematics*
Beverly, Mass. A.B. Wheaton College 1949; M.A. Bryn Mawr College 1950.

SCHNIEWIND, MARIA VON WEDEMEYER [4]....*Non-Resident Scholar in Mathematics*
Oberbehme, Germany. University of Göttingen 1946-47; University of Frankfurt 1947-48; M.A. Bryn Mawr College 1950.

FURLAN, STASHA*Resident Scholar in Philosophy*
New York, N. Y. A.B. Barnard College 1949; M.A. Bryn Mawr College 1950.

UNTERBERGER, HILMA*Resident Scholar in Psychology*
Edwardsville, Pa. A.B. Bryn Mawr College 1948 and M.A. 1950.

GRIFFING, JUANITA COUCH [5]....*Non-Resident Scholar in Psychology, Semester I*
Media, Pa. A.B. University of Delaware 1947 and M.A. 1948.

[2] Mrs. F. Earl McGinnes, Jr.
[3] Mrs. Marcel Gutwirth.
[4] Mrs. Paulwerner K. Schniewind.
[5] Mrs. John M. Griffing.

GOLDBERG, JEANNETTE....*Carola Woerishoffer Resident Scholar in Social Economy*
Brooklyn, N. Y. A.B. Brooklyn College 1949.

LAUGHLIN, MARY PENELOPE.....*Carola Woerishoffer Resident Scholar in Social Economy*
Salem, Ore. A.B. Willamette University 1945.

LINTON, KATHERINE A.....*Non-Resident Scholar in Social Economy*
Philadelphia, Pa. A.B. Wilson College 1947.

WEINER, RAE BIBERMAN [6]..*Non-Resident Scholar in Social Economy*
Philadelphia, Pa. A.B. University of Pennsylvania 1948; M.S.S. Bryn Mawr College 1950.

JACOBS, TINA CLAIRE....*Special Tuition Scholar in Social Economy*
New York, N. Y. A.B. Hunter College 1948.

WALLACE, FRANCES....*Special Tuition Scholar in Social Economy*
Philadelphia, Pa. A.B. Beaver College 1948; M.S.S. Bryn Mawr College 1950.

MARSHALL, JANE H.....*Non-Resident Social Economy Alumnæ Scholar*
West Chester, Pa. A.B. University of Pennsylvania 1946.

HUSTON, BETTINA ANN.....*Friends College Scholar*
Methuen, Mass. A.B. Guilford College 1949; M.A. Bryn Mawr College 1950.

KOTLIAR, ABRAHAM MORRIS.....*Non-Resident Scholar under the Plan for Coordination in the Teaching of the Sciences*
Brooklyn, N. Y. A.B. Adelphi College 1949.

Graduate Students

ADAMS, THOMAS RANDOLPH.....*Graduate Student in History*
Philadelphia, Pa. A.B. University of Michigan 1944; M.A. University of Pennsylvania 1949.

ALLEN, LILLIAN HARTMANN [7].....*Graduate Student in English*
Burlington, Vt. A.B. University of Vermont 1949; M.A. Bryn Mawr College 1950.

AMSTUTZ, BETTY*Graduate Student in Social Economy*
Baltimore, Md. B.S. Wittenberg College 1949.

ANDERSON, ELLA TREW SIMPERS [8].....*Graduate Student in English*
Darby, Pa. A.B. Wellesley College 1924; B.S. Drexel Institute 1949.

ANDERSON, HELEN CHARLOTTE.....*Graduate Student in Social Economy*
Swarthmore, Pa. A.B. Wells College 1945; M.S.S. Bryn Mawr College 1950.

ARADER, HARRY F.....*Graduate Student in History*
Stone Harbor, N. J. A.B. University of Pennsylvania 1943 and M.A. 1947.

ASENSIO, ELISA PI [9].....*Graduate Student in Spanish*
Haverford, Pa. Institut Buser, Teufen bei St. Gallen, Switzerland, 1923-26; Polytechnic, London, 1926-27; Middlebury College, summer 1949.

[6] Mrs. Oscar Weiner.
[7] Mrs. Frederick Simeon Allen.
[8] Mrs. Paul Anderson.
[9] Mrs. Manuel Asensio.

AUSTIN, DEBORAH SANDS.....*Graduate Student in English*
Canaan, N. H. A.B. Smith College 1943; M.A. Radcliffe College 1946.

BACON, HELEN.....*Graduate Student in Greek, Semester II*
Peace Dale, R.I. A.B. Bryn Mawr College 1940.

BANTON, DOROTHY FASSITT [10]..*Graduate Student in Social Economy*
Wilmington, Del. B.S. Simmons College 1933.

BARBERA, RICHARD CARLTON.....*Graduate Student in Physics*
Boston, Mass. B.S. Massachusetts Institute of Technology 1948; M.A. Bryn Mawr College 1950.

BASSETT, NORMA ADNEE [11].....*Graduate Student in Psychology*
King of Prussia, Pa. A.B. Temple University 1945.

BAUERS, ROBERT MUNCH.....*Graduate Student in Social Economy*
Philadelphia, Pa. A.B. Muhlenberg College 1943; B.D. Lutheran Theological Seminary 1945.

BEATMAN, MARY LOU SCARBOROUGH [12].....*Graduate Student in Social Economy*
Ridley Park, Pa. A.B. Oberlin College 1945; M.S.S. Bryn Mawr College 1950.

BERGHEIM, GAIL-MARIE.....*Graduate Student in Social Economy*
Portland, Ore. A.B. Reed College 1947; M.S.S. Bryn Mawr College 1950.

BERK, ROSALIE*Graduate Student in Social Economy*
Philadelphia, Pa. B.S. Temple University 1947; M.S.S. Bryn Mawr College 1950.

BLOMMERS, ELIZABETH ANN.....*Graduate Student in Chemistry*
Philadelphia, Pa. A.B. Bryn Mawr College 1945; M.A. 1946 and Ph.D. 1950.

BONDY, HEINZ ERIC.....*Graduate Student in History*
Lenox, Mass. A.B. Swarthmore College 1948.

BRINTON, EDWARD*Graduate Student in Biology*
Wallingford, Pa. A.B. Haverford College 1949; M.A. Bryn Mawr College 1950.

BRODERSEN, LELIA....*Graduate Student in Psychology, Semester II*
Philadelphia, Pa. A.B. Bryn Mawr College 1933; M.A. Temple University 1950.

BYE, LOIS BUTCHER [13].....*Graduate Student in Social Economy, Semester I*
Philadelphia, Pa. A.B. University of Pennsylvania 1948.

CARNARIUS, INDRA KIRPALANI [14].....*Graduate Student in Political Science, Semester II*
Princeton, N. J. A.B. Bryn Mawr College 1948; M.A. Columbia University 1949.

CAVEN, MARIE LUCILE[15].....*Graduate Student in Social Economy, Semester I*
Wauwatosa, Wis. A.B. Milwaukee Downer College 1922.

CLIFFORD, ESTHER ROWLAND [16].....*Graduate Student in History*
Radnor, Pa. A.B. Vassar College 1928.

[10] Mrs. Conwell Banton.
[11] Mrs. Harry Bassett.
[12] Mrs. James W. Beatman.
[13] Mrs. O. Gerard Heldring-Bye.
[14] Mrs. Stanley E. Carnarius.
[15] Mrs. Earl S. Caven.
[16] Mrs. Henry Clifford.

COHEN, LOIS ANNETT.....*Graduate Student in Social Economy, Semester I*
Elkins Park, Pa. B.S. Temple University 1949.

COLLINS, JEAN JUSTICE[17].....*Graduate Student in Psychology*
Wynnewood, Pa. A.B. Bryn Mawr College 1920.

CRAVEN, ROGER W.....*Graduate Student in Social Economy*
Wynnewood, Pa. A.B. American University 1931 and M.A. 1934.

CROASDALE, DOROTHY DRIVER[18].....*Graduate Student in Social Economy*
Berwyn, Pa. A.B. Mount Holyoke 1931; M.S.S. Bryn Mawr College 1950.

CULIN, ELEANOR...*Graduate Student in Social Economy, Semester I*
Wynnewood, Pa. B.S. University of Pennsylvania 1927.

DANIELS, SHIRLEY BERNICE.....*Graduate Student in Chemistry*
Wollaston, Mass. A.B. Radcliffe College 1948; M.A. Bryn Mawr College 1950.

DAY, MARY ROBERTS FORBES.....*Graduate Student in Biology*
Manchester, N. H. B.S. University of New Hampshire 1948; M.A. Bryn Mawr College 1950.

DEJERSEY, MURRAY GORDON.....*Graduate Student in Psychology*
Montreal, Que., Canada. B.A. McGill University 1942 and M.A. 1946.

DIKE, PAUL ALEXANDER.....*Graduate Student in Geology*
Drexel Hill, Pa. A.B. Johns Hopkins University 1937; M.A. Bryn Mawr College 1950.

DRIVER, SHIRLEY ROSALIND.....*Graduate Student in History of Art, Student I*
Toronto, Ont., Canada. B.A. University of Toronto 1947.

DUBOSE, LOUISA SHANNON.....*Graduate Student in Philosophy*
Camden, S. C. A.B. University of South Carolina 1947; M.A. Bryn Mawr College 1949.

EMERSON, ELIZABETH*Graduate Student in English*
Mt. Vernon, N. Y. A.B. Mount Holyoke College 1935; M.A. University of Tennessee 1938.

ESTEVES, MARGARITA*Graduate Student in Spanish*
Santurce, Puerto Rico. A.B. Sacred Heart College 1945; M.A. Bryn Mawr College 1946.

FANSLER, RUTH MURRAY.....*Graduate Student in Mathematics*
Providence, R. I. A.B. Pembroke College 1949.

FARRELLY, ELIZABETH ANN.....*Graduate Student in Physics*
Edgewood, R. I. B.S. Pembroke College 1949.

FEIDEN, LUCILLE MIRIAM.....*Graduate Student in History of Art*
St. Augustine, Fla. A.B. Florida State University 1948; M.A. Bryn Mawr College 1950.

FOLDY, ILONA M.....*Graduate Student in Social Economy*
Bryn Mawr, Pa. A.B. Budapest University 1928.

[17] Mrs. George D. Collins.
[18] Mrs. John P. Croasdale, Jr.

FUCHS, PATRICIA DELANEY [19] *Graduate Student in French*
Wynnewood, Pa. A.B. Bryn Mawr College 1942 and M.A. 1947.

GEE, CYNTHIA FRANCES HEATH *Graduate Student in Greek*
Weston-super-Mare, Somerset, England. B.A. University of Bristol 1947; M.A. Bryn Mawr College 1949.

GILMAN, RHODA RAASCH [20] *Graduate Student in Economics*
Bryn Mawr, Pa. A.B. University of Washington 1947; M.A. Bryn Mawr College 1950.

GUERS, YVONNE MARIE-JEANNE *Graduate Student in French*
Aix-en-Provence, France. *Licenciée-ès-lettres,* University of Aix-Marseille 1944.

HAMILTON, MARIANNE *Graduate Student in Educational Psychology, Semester I*
Pittsburgh, Pa. A.B. Pennsylvania College for Women 1947.

HARRIGAN, RITA K. *Graduate Student in History*
Brooklyn, N. Y. A.B. Barnard College 1947; M.A. Smith College 1949.

HAVENS, GIFFORD *Graduate Student in History of Art*
Bryn Mawr, Pa. A.B. Williams College 1943.

HERNÁNDEZ-BORCH, CARMEN *Graduate Student in Spanish*
Rosemont, Pa. B.S. Johns Hopkins University 1937.

HIRES, WILLIAM LELAND *Graduate Student in Psychology*
Ardmore, Pa. B.S. Haverford College 1949.

HOLTON, MARY LOUISE *Graduate Student in Social Economy, Semester I*
Ardmore, Pa. A.B. Rosemont College 1948.

HYATT, ISADORE *Graduate Student in Psychology*
Philadelphia, Pa. A.B. Yeshiva College 1948; M.A. Temple University 1949.

JACKSON, ROXANA *Graduate Student in Social Economy, Semester I*
Philadelphia, Pa. A.B. Colorado College 1923; M.A. Columbia University 1929; M.S.S. Bryn Mawr College 1950.

JACOB, ALFRED B. *Graduate Student in Spanish, Semester I*
Philadelphia, Pa. B.A. and M.A. Oxford University 1941.

JACOB, NORMA PATRICIA [21] *Graduate Student in Social Economy, Semester II*
Wallingford, Pa. B.A. Oxford University 1931 and M.A. 1935.

KAUFMANN, HOPE *Graduate Student in Music*
South Salem, N. Y. A.B. Bryn Mawr College 1948 and M.A. 1950.

KELLERS, ISABEL *Graduate Student in Biology*
Montclair, N. J. A.B. Swarthmore College 1948; M.A. Cornell University 1949.

KEPNER, LOUISE *Graduate Student in Social Economy*
Baltimore, Md. A.B. University of Rochester 1946; M.S.S. Bryn Mawr College 1950.

LEITCH, JAMES F. *Graduate Student in Psychology, Semester II*
Philadelphia, Pa. A.B. University of Pennsylvania 1950.

[19] Mrs. William J. Fuchs.
[20] Mrs. Logan D. Gilman.
[21] Mrs. Alfred Bennis Jacob.

LEVINE, IRENE R.[22] *Graduate Student in Social Economy*
Philadelphia, Pa. B.S. University of Massachusetts 1933; M.S.S. Bryn Mawr College 1950.

LEVINE, RUTH SHTASEL[23] *Graduate Student in Social Economy, Semester I*
Philadelphia, Pa. A.B. Pennsylvania State College 1940; M.A. Bryn Mawr College 1943.

LITWINCHUK, ALICE MARY *Graduate Student in History*
Girardville, Pa. A.B. and M.A. Temple University 1946.

LIVINGSTON, RAMONA T.[24] *Graduate Student in English*
Wayne, Pa. A.B. William Jewell College 1934.

MAHER, EILEEN BEIER[25] *Graduate Student in Psychology*
Philadelphia, Pa. A.B. Temple University 1945 and M.A. 1948.

MARTER, HENRY HARRISON *Graduate Student in Social Economy*
Erlton, N. J. A.B. Wesleyan University 1940; M.A. Temple University 1949.

MARTIN, ANNE HOWELL *Graduate Student in Philosophy*
Charleston, W. Va. A.B. Kalamazoo College 1948; M.A. Wellesley College 1949.

MARTIN, MARIANNE WINTER[26] .. *Graduate Student in History of Art*
Philadelphia, Pa. A.B. Hunter College 1945; M.A. University of Chicago 1947.

MATTHAI, FRANCES PARKER *Graduate Student in English*
Garrison, Md. A.B. Bryn Mawr College 1943.

MAYER, GOETZ *Graduate Student in Social Economy*
Willow Grove, Pa. A.B. Haverford College 1949.

MCBRIDE, MARGARETE *Graduate Student in Political Science*
Bryn Mawr, Pa. A.B. Bryn Mawr College 1946.

MCLAUGHLIN, NANCY LEE *Graduate Student in Spanish*
Norristown, Pa. A.B. Earlham College 1948.

MILLER, MARION LOUISE *Graduate Student in Social Economy, Semester I*
Lemoyne, Pa. A.B. Dickinson College 1949.

MONACK, LOUISE CHARLOTTE *Graduate Student in Chemistry*
Charleroi, Pa. A.B. West Virginia University 1942 and M.S. 1944.

MORRILL, BERNICE BERNSTEIN[27] . *Graduate Student in History of Art*
Swarthmore, Pa. A.B. Wellesley College 1934; M.A. Columbia University 1936; M.A. Bryn Mawr College 1950.

MURNAGHAN, JANE HUGHES[28] *Graduate Student in Political Science, Semester I*
Philadelphia, Pa. A.B. Radcliffe College 1947.

NEEL, JOANNE LOEWE[29] *Graduate Student in History*
Devon, Pa. A.B. Bryn Mawr College 1942 and M.A. 1947.

[22] Mrs. Harry O. H. Levine.
[23] Mrs. Milton B. Levine.
[24] Mrs. Wendell Livingston.
[25] Mrs. Howard Maher.
[26] Mrs. Richard M. Martin.
[27] Mrs. Bernard Morrill.
[28] Mrs. Francis D. Murnaghan.
[29] Mrs. Percy L. Neel.

NEILS, ELIZABETH PATRICIA.....*Graduate Student in Greek*
Minneapolis, Minn. A.B. Bryn Mawr College 1948 and M.A. 1949.

NICHOLS, LAURA BERNICE....*Graduate Student in Social Economy, Semester I*
Philadelphia, Pa. A.B. Temple University 1947 and M.A. 1948.

NIGOT, LISETTE.....*Graduate Student in French, Semester I*
Bryn Mawr, Pa. *Liciencée-ès-Lettres,* University of Paris, 1945.

NORTHEN, HELEN ESTHER....*Graduate Student in Social Economy*
Pittsburgh, Pa. A.B. University of Washington 1939; M.S. University of Pittsburgh 1944.

ORMOND, MARTIN MARK.....*Graduate Student in Social Economy*
Ardmore, Pa. A.B. Hobart College 1949; M.S.S. Bryn Mawr College 1950.

OTTO, MARY EWART [30].....*Graduate Student in Social Economy*
Media, Pa. A.B. St. Lawrence University 1946; M.S.S. Bryn Mawr College 1950.

PLATT, JOAN M.....*Graduate Student in Psychology*
New Canaan, Conn. A.B. George Washington University 1948; M.A. Bryn Mawr College 1950.

POLITZER, HEINZ.....*Graduate Student in English*
Bryn Mawr, Pa. University of Vienna 1928-31; University of Prague 1931-32; Hebrew University 1938-40; Ph.D. Bryn Mawr College 1950.

PROPST, LOIS MORRISON.....*Graduate Student in Biology*
Scranton, Pa. A.B. Wilson College 1948; M.A. Bryn Mawr College 1950.

PRUETT, ESTHER DUKE REDDING [31]....*Graduate Student in Physics, Semester I*
Swarthmore, Pa. A.B. Wellesley College 1942; M.A. Bryn Mawr College 1948.

REIGHARD, LANIOUS KEIPER...*Graduate Student in Social Economy*
Lancaster, Pa. A.B. Franklin and Marshall College 1947.

RENN, FRANK ANTHONY.....*Graduate Student in Philosophy*
Chicago, Ill. A.B. Earlham College 1949.

RENNERT, ESTHER.....*Graduate Student in Physics*
New York, N. Y. A.B. Brooklyn College 1949.

RIABOFF, TATIANA-MARGARITA.....*Graduate Student in Chemistry*
Philadelphia, Pa. A.B. University of Pennsylvania 1948; M.A. Bryn Mawr College 1950.

SATENSTEIN, LILA LABOWITZ [32].....*Graduate Student in Chemistry, Semester I*
Bryn Mawr, Pa. A.B. Bryn Mawr College 1944 and M.A. 1945.

SCHEWE, ELENORE*Graduate Student in Biology*
Vandalia, Mo. B.Arch. Washington University 1941; M.A. Bryn Mawr College 1950.

SCHLUSSMAN, ANNE*Graduate Student in Psychology*
Brooklyn, N. Y. A.B. Brooklyn College 1945 and M.A. 1949.

SCHWARTZ, DULCINE MARION [33].....*Graduate Student in Social Economy*
Drexel Hill, Pa. A.B. University of Pennsylvania 1942.

[30] Mrs. Werner G. Otto.
[31] Mrs. John R. Pruett.
[32] Mrs. Harvey Satenstein.
[33] Mrs. Dulcine Marion Schwartz.

SCIAMANDA, ANDRÉE THOREUX [34]. *Graduate Student in French*
Philadelphia, Pa. *Licencée-ès-Lettres* University of Paris 1941.

SCLUFER, EVELYN A. *Graduate Student in Biology*
Upper Darby, Pa. A.B. Temple University 1947.

SHAFFER, ROBERT DETMER. *Graduate Student in Psychology*
Bethlehem, Pa. B.S. Kent State University 1947.

SHARAWI, LAILA MOHAMED ALI. *Graduate Student in Social Economy*
Cairo, Egypt. B.A. American University at Cairo 1948; M.S.S. Bryn Mawr College 1950.

SHIELDS, JEAN LOUISE. *Graduate Student in English*
Caistor Centre, Ont., Canada. B.A. McMaster University 1948; M.A. Bryn Mawr College 1950.

SMITH, ROSA LEE SPENCER [35]. . *Graduate Student in Social Economy*
Philadelphia, Pa. A.B. West Virginia State College 1943.

SOCOLA, EDWARD M. *Graduate Student in History*
New Orleans, La. A.B. Tulane University 1944 and M.A. 1948.

SPANGLER, RICHARD WILLIAM. . *Graduate Student in Social Economy*
York, Pa. B.S. Temple University 1949.

STANLEY, ALICE DAVIES [36]. *Graduate Student in Latin*
Glenside, Pa. A.B. Vassar College 1940; M.A. Bryn Mawr College 1947.

STRONG, FREDERICK CARL, III. *Graduate Student in Chemistry*
Bryn Mawr, Pa. A.B. Swarthmore College 1939; M.S. Lehigh University 1941.

TATE-SMITH, DIANA. *Graduate Student in Philosophy*
Bryn Mawr, Pa. A.B. Bryn Mawr College 1935.

TATUM, ANNE. *Graduate Student in Psychology, Semester I*
Philadelphia, Pa. A.B. Rosemont College 1946.

THEIS, JEANNE ALICE. *Graduate Student in French*
Le Chambon-sur-Lignon, France. A.B. Swarthmore College 1946; M.A. Bryn Mawr College 1949.

THOMAS, GLADYS WATT [37]. . . . *Graduate Student in Social Economy*
Berkeley, Calif. A.B. University of California 1930; M.S.S. Bryn Mawr College 1950.

TRAVAGLINI, ELIZABETH CHRISTINA. . *Graduate Student in Chemistry*
Bryn Mawr, Pa. A.B. University of Pennsylvania 1948.

TYL, LUCY V. *Graduate Student in Educational Psychology*
Roslyn, Pa. B.S. University of Pennsylvania 1946.

UTZINGER, PAULINE ROSE. *Graduate Student in Psychology*
Rochester, Minn. A.B. Carleton College 1947.

WALLACE, JANE HOUSE. *Graduate Student in Geology*
Fort Worth, Texas. A.B. Smith College 1947 and M.A. 1949.

WEBB, SARAH COFFIN [38]. *Graduate Student in Social Economy*
Hartsville, Pa. A.B. University of Delaware 1928.

[34] Mrs. Dominic V. Sciamanda.
[35] Mrs. Warren Edward Smith.
[36] Mrs. Edward L. Stanley.
[37] Mrs. Gladys Watt Thomas.
[38] Mrs. Sarah Coffin Webb.

WHITE, DOROTHY SHIPLEY [39] *Graduate Student in History*
Philadelphia, Pa. A.B. Bryn Mawr College 1917; M.A. Columbia University 1917; B.F.A. Temple University 1943.

WHITE, JOAN FULTON [40] *Graduate Student in Biology*
Philadelphia, Pa. A.B. State University of Iowa 1945.

WILLING, EDWARD SHIPPEN, JR. *Graduate Student in Geology*
West Chester, Pa. A.B. Williams College 1938; M.A. Bryn Mawr College 1949.

WINGFIELD, CHARLOTTE *Graduate Student in Social Economy*
Philadelphia, Pa. A.B. Trinity College 1935.

WITTE, ISABEL HOWLAND *Graduate Student in History*
Belmont, Mass. A.B. Swarthmore College 1947.

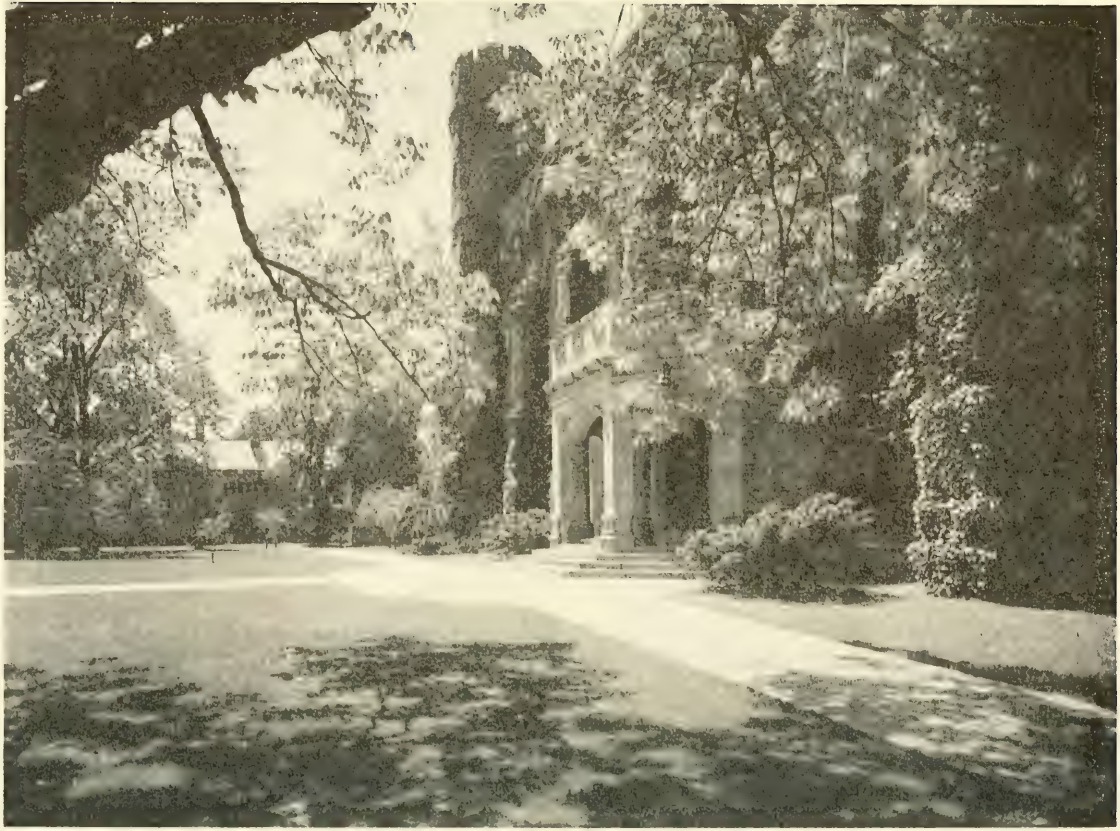
WOOD, REBECCA COOPER *Graduate Student in Classical Archæology*
Moorestown, N. J. A.B. Bryn Mawr College 1945 and M.A. 1950.

ZELITCH, FAY *Graduate Student in Social Economy*
Philadelphia, Pa. A.B. Pennsylvania State College 1949.

Summary of Graduate Students

Travelling Fellows	3
Resident Fellows	14
Fellow by Courtesy	1
Foreign Scholars	10
Graduate Scholars	30
Graduate Students	120
Total	178

[39] Mrs. Thomas Raeburn White.
[40] Mrs. Robert F. White, Jr.



M. Carey Thomas Library and center of the *Carola Woerishoffer* Department of Social Economy and Social Research

BULLETIN

OF THE

Carola Woerishoffer

Department of Social Economy and Social Research

1950 - 51

BRYN MAWR COLLEGE

BRYN MAWR, PENNSYLVANIA

CALENDAR

1950-51

SEPTEMBER

S	M	T	W	T	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
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OCTOBER

S	M	T	W	T	F	S
1	2	3	4	5	6	7
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15	16	17	18	19	20	21
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29	30	31				

NOVEMBER

S	M	T	W	T	F	S
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DECEMBER

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31						

1951
JANUARY

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FEBRUARY

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25	26	27	28			

MARCH

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25	26	27	28	29	30	31

APRIL

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29	30					

MAY

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27	28	29	30	31		

JUNE

S	M	T	W	T	F	S
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3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

COLLEGE CALENDAR

1950-51

1950 — FIRST SEMESTER

September	28.	Halls of Residence open to the entering class at 8 A.M. Registration of Freshmen Deferred, condition and auditors' examinations begin
	30.	Graduate Center open to new graduate students at 9 A.M. Registration of new graduate students Deferred, condition and auditors' examinations end
October	1.	Halls of Residence open to all returning graduate and undergraduate students at 8 P.M.
	2.	Registration of students
	3.	Work of the 66th academic year begins at 8.45 A.M.
	11.	German examinations for undergraduates, M.A. and Ph.D. candidates
	*21.	French examinations for undergraduates, M.A. and Ph.D. candidates
	28.	Spanish and Italian examinations for undergraduates, M.A. and Ph.D. candidates Statistics examinations for M.A. candidates
November	4.	Hygiene examination
	22.	Thanksgiving holiday begins after last class
	27.	Thanksgiving holiday ends at 9 A.M.
December	22.	Christmas vacation begins at 12.45 P.M.

1951

January	8.	Christmas vacation ends at 9 A.M.
	13.	German examinations for Seniors conditioned, M.A. and Ph.D. candidates
	19.	Last day of lectures
	*20.	French examinations for Seniors conditioned, M.A. and Ph.D. candidates
	22.	Collegiate examinations begin
	27.	Spanish and Italian examinations for Seniors conditioned, M.A. and Ph.D. candidates Statistics examinations for M.A. candidates
February	3.	Collegiate examinations end

SECOND SEMESTER

February	6.	Work of the second semester begins at 9 A.M.
March	23.	Spring vacation begins after last class
April	2.	Spring vacation ends at 9 A.M. Deferred examinations begin
	7.	Deferred examinations end
	21.	French examinations for undergraduates, Ph.D. candidates, and M.A. candidates for 1952
	*28.	Spanish and Italian examinations for undergraduates, Ph.D. candidates, and M.A. candidates for 1952
May	5.	German examinations for undergraduates, Ph.D. candidates, and M.A. candidates for 1952
	18.	Last day of lectures
	21.	Collegiate examinations begin
June	1.	Collegiate examinations end
	3.	Baccalaureate service
	5.	Conferring of degrees and close of 66th academic year

* Additional language examinations (Greek, Russian, etc.) will be scheduled during this period in relation to other examinations of the students concerned.

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COLLEGE ADMINISTRATION

ACADEMIC YEAR 1950-51

President: KATHARINE ELIZABETH MCBRIDE, Ph.D., LL.D., L.H.D.
Office: Taylor Hall.

Dean of the College: DOROTHY NEPPER MARSHALL, Ph.D.
Office: Taylor Hall.

Dean of the Graduate School: LILY ROSS TAYLOR, Ph.D., Litt.D.
Office: The Library.

Director of the Graduate Department of Social Economy:
FLORENCE PETERSON, M.A.
Office: The Library.

College Physician: ELIZABETH HUMESTON, M.D.
Office: The Infirmary.

Director of Halls and Head Warden:
CHARLOTTE BRANDON HOWE, M.A.
Office: Rockefeller Hall.

Librarian: JANET MARGARET AGNEW, B.L.S., M.A.

Correspondence regarding admission to the Graduate Department of Social Economy should be directed to Miss Lucy Shaw Turner, Secretary.

INSTRUCTIONAL STAFF

CAROLA WOERISHOFFER DEPARTMENT OF SOCIAL ECONOMY AND SOCIAL RESEARCH

1950-51

FLORENCE PETERSON, M.A., *Professor of Social Economy and Director of the Department*

HERTHA KRAUS, Ph.D., *Associate Professor of Social Economy*

MARY MARGARET ZENDER, M.A., M.S.S., *Lecturer and Supervisor of Social Case Work*

MURIEL JANET GAYFORD, M.S.P.A., *Lecturer in Medical Social Work*

KATHERINE LOWER, Ph.D., *Lecturer and Supervisor of Social Research*

LEON J. SAUL, M.D., *Special Lecturer in Psychiatric Information*

M. ROYDEN C. ASTLEY, M.D., *Special Lecturer in Psychiatric Information*

ELEANOR ALICE STEELE, M.D., *Special Lecturer in Psychiatric Information*

ARTHUR MERRIAM ROGERS, M.D., *Special Lecturer in Medical Information*

INSTRUCTIONAL STAFF IN RELATED DEPARTMENTS

ROGER HEWES WELLS, Ph.D., *Professor of Political Science*

MARGUERITE LEHR, Ph.D., *Associate Professor of Mathematics*

MAGDA B. ARNOLD, Ph.D., *Associate Professor of Psychology*

RACHEL DUNAWAY COX, Ph.D., *Associate Professor of Education and Psychology*

JOE KENNEDY ADAMS, Ph.D., *Assistant Professor of Psychology*

HISTORY AND PROGRAM

The *Carola Woerishoffer* Graduate Department of Social Economy and Social Research was opened in the autumn of 1915 in order to afford graduates of liberal arts colleges an opportunity to obtain an advanced scientific education in Social Economy which should compare favorably with the best preparation in any profession. The Department was named in memory of Carola Woerishoffer, a graduate of Bryn Mawr College who devoted her brief life to improving social and working conditions, and who in her will left a generous gift to the College.

From its inception the curriculum of the Department has been guided by the principles of maintaining a close interrelationship between the applied and the theoretical; of preparation for social service founded upon a broad knowledge of the social sciences and the development of social research techniques as a basis for social policy and practice.

In pursuance of these broad objectives, the Department has maintained several types of programs leading toward different degrees. The programs for the M.A. and Ph.D. are for students who are primarily interested in theory and intensive research in a chosen special area. The curriculum of studies includes sociological and social theory, labor relations, social economy and social welfare.

The Department also offers an integrated program of study and field-work practice for students who wish to prepare themselves for professional work in public and private social services. The Department is a charter member of the American Association of Schools of Social Work. For a number of years the Department granted professional Certificates to students who had completed the required graduate courses for social work. In response to the growing recognition of social work as a profession, the degree of Master of Social Service was substituted for the Certificate in 1947.

The program for the professional degree of M.S.S. is designed to equip the graduate to assume the responsibilities of dealing with

individuals and groups, and to provide a basic knowledge of social institutions and social welfare programs as dynamic responses to human needs in a changing society. The curriculum is planned to give an understanding of the fundamental principles underlying all branches of the profession as well as to develop the skills of social work practice in the fields of social casework, medical social work, community organization, social administration, and social research.

ADMISSION

The Graduate Department of Social Economy is open to qualified graduates in liberal arts courses of colleges or universities of recognized standing. Application for admission, to be made to the Secretary of the Department, should be accompanied by a copy of the student's full academic record and by letters from the Dean and from two or more professors of the applicant's undergraduate college.[1] The Department may, at its discretion, require students whose preparation is insufficient to pursue certain introductory courses before being enrolled in a graduate course. Admission to the Graduate School does not automatically qualify a student to become a candidate for an advanced degree. Students whose courses of study meet the prerequisites may on application to the Graduate Committee be enrolled as candidates for the degrees of Master of Arts, Master of Social Service, or Doctor of Philosophy.

Men as well as women are admitted to the Graduate School and are accepted as candidates for the degrees of Master of Arts, Master of Social Service, and Doctor of Philosophy.

Transfer Credit

A maximum of three units of graduate credit from an institution accredited by the American Association of Schools of Social Work will be accepted for the M.S.S. degree. No transfer credit will be given until after the candidate has completed satisfactorily a semester at Bryn Mawr. All candidates must spend at least one full year at Bryn Mawr.

No transfer credit is accepted for the M.A. degree. For the Ph.D. degree, candidates must be in residence in the Graduate School at Bryn Mawr at least two years (or one year for Bryn Mawr graduates). Part of the work for the Ph.D. may be done at other institutions.

[1] Graduate Record Examination. The Bryn Mawr Graduate School recognizes as contributory evidence of the qualifications of a student for admission a record of attainment in the Graduate Record Examination prepared by the Educational Test Service, Princeton, New Jersey. This examination is a convenient method by which a student may supplement transcript records. Applicants for admission to the Graduate School who wish to take the examination should apply directly to the Educational Test Service, 437 West 59th Street, New York 19, N. Y., where full information may be secured and arrangements for taking the test may be made.

RESIDENCE AND EXPENSES

Bryn Mawr College is situated twelve miles from Philadelphia, with convenient access to music, theater, museums and the varied cultural interests of cosmopolitan urban life. The college libraries, lectures and concerts are open to all graduate students.

Holders of resident fellowships and scholarships are expected to live in the Graduate Hall of Residence. Other graduate students may live there if room is available. Students not in residence are expected to make arrangements satisfactory to the College. With a few exceptions, every student in the Graduate Hall has a separate room. The rooms are fully furnished except for rugs, curtains, and towels, which the student is expected to provide. There are also two small apartments with cooking facilities close to the Graduate Hall. Students who live in these apartments and do not take their meals in the Hall will be given an adjustment in their residence fees.

Application for a room should be made as early as possible. A room-contract, which will be sent on request, must be signed and returned with the registration fee of ten dollars to the Dean of the Graduate School. The amount of this fee will be deducted from the residence fee. The fee will not be refunded under any circumstances. A student in residence or a new student who cancels her reservation after September first prevents some other student from obtaining accommodation and consequently admission to the College. Therefore unless a student sends notice of withdrawal in writing to the Dean of the Graduate School before September first, she is responsible for that portion of the residence charge which the College loses by reason of her withdrawal, whether she fails to occupy the room at all or vacates it during the year. Appropriate reduction or remission is made for that portion of the residence fee which represents reduced expense to the College for food; a further remission or reduction is made if the College is able to reassign the student's room to some other student not previously in residence. The student herself is not entitled to dispose of the room she leaves vacant. In case of absence from the College extending over six weeks or more, owing to illness, there will be a proportionate reduction in the charge for the cost of food.

The residence halls are closed during the Christmas vacation but accommodations in the neighborhood can usually be secured by graduate students who wish to continue their work. During the spring vacation one of the residence halls is open and students may occupy rooms at a fixed rate. Any student remaining in Bryn Mawr or nearby and not in the College or in her own home for all or part of a vacation must make arrangements satisfactory to the Dean of the Graduate School.

The College reserves the right to exclude at any time students whose conduct or academic standing renders them undesirable members of the college community. In such cases fees due or paid in advance will not be refunded or remitted in whole or in part; fellowships and scholarships will be cancelled.

The College reserves the right, if parents cannot be reached, to make decisions concerning emergency operations or other matters of health in regard to the students.

The regular charge for residence (room and board) for graduate students is $750 a year, payable $450 in the first semester and $300 in the second semester. The charge for residence for occupants of the four double rooms is $675 a year, payable $375 in the first semester and $300 in the second semester.

The tuition fee for graduate students pursuing the full-time program is $400 a year, payable one half on registration and the other half at the beginning of the second semester. The summer seminar in Casework (see page 24) is included in the tuition fee for the second year.

For students registered for less than full-time work the fees are as follows:

For one graduate course or seminary, or one unit of independent work $150

For one undergraduate course 175

(Candidates for the degree of Master of Arts or Master of Social Service are charged $150 for an undergraduate course which is taken in partial fulfilment of the requirements for that degree.)

All students taking courses which require field work are charged a laboratory fee of $10 a semester for each course taken. This fee covers a part of the expenses of field supervision. In addition, stu-

dents are required to meet their travelling and incidental expenses while working in the field.

The graduation fee for Doctors of Philosophy, Masters of Arts and Masters of Social Service is $20.

The Office of the Recorder will supply on request one transcript of the record of each graduate student free of charge. For additional transcripts a charge of $1.00 each will be made.

Tuition fee (not counting laboratory fees)	$400
Residence	750
Total	$1150

Students whose fees are not paid before November first in the first semester and before March first in the second will not be permitted to continue in residence or to attend their classes. No reduction of the tuition fee will be made on account of absence or dismissal or for any other reason.

GRADUATE CLUB

All resident students in the Graduate School are members of the Graduate Club and non-resident students may become members. The organization of the life of the graduate students in all matters not purely academic or affecting hall management is in the hands of the club. The President of the Graduate Club is a member of the College Council, a non-legislative body which meets periodically to discuss matters concerning the College as a whole. The Council of the Graduate Club considers policies relating particularly to the Graduate School.

HEALTH

Every entering resident graduate student is required to file at the office of the Dean of the Graduate School, on a blank to be secured from the Dean of the Graduate School, a report of a recent medical examination, filled out and signed by a physician.

Every graduate student whether resident or non-resident must file a physician's certificate stating that she has been vaccinated against smallpox during the year before entrance to the Graduate School and that she exhibited a typical or immune reaction to this vaccination. Students who do not certify to vaccination will be vaccinated by the College Physician and charged a fee of two dollars. There is no exception to this rule.

There is required on the medical examination blank a statement of immunization against tetanus by toxoid and of evidence of a negative Schick test. If these have not been done by the time the student arrives in Bryn Mawr, the College Physician will make the tests at the time of the initial physical examination at a fee of two dollars for each test.

Every resident graduate student must file a certificate stating that her eyes have been examined by an oculist within six months before entrance to the Graduate School. Failure to comply with the above rule entails an examination by one of the college consultants for which the student will be charged as a private patient by the ophthalmologist who makes the examination.

Every resident graduate student has a chest X-ray at the beginning of each year. These X-rays are made with paper plates, and a fee of about two dollars is charged for each. If necessary the paper plate is checked with stereoscopic celluloid films, the fee for which is twenty dollars. Any graduate student who has had a chest X-ray within six months preceding the opening of any year will be excused from this procedure, provided a complete report has been filed with the College before September fifteenth of the year in question.

Every resident graduate student is examined each year by the Physician of the College, with reference to physical development and general health. Any graduate student who at the time of the

examination or at any time during the year is not in good health is placed on the health supervision list.

The College Physician is in her office in the college infirmary daily and may be consulted by the students without charge. Specialists practicing in Bryn Mawr and Philadelphia serve as consulting physicians to the College. The fees of the consulting physicians and surgeons and other specialists recommended by the College will be furnished on request. The infirmary is open when college is in session and during the spring vacation. It is closed during the Christmas vacation.

The residence charge paid by each resident graduate student entitles her to free consultation with the College Physicians and to treatment in the college dispensary. It also entitles her to be cared for in the infirmary for seven days (not necessarily consecutive) during the year and to attendance by the College Physicians during this time and to nursing, provided her illness is not contagious and is not sufficiently serious to require the services of a special nurse. The fee for each day in the infirmary after the seven-day period is six dollars. In case of contagious disease the student must meet or share the expense of special nursing.

Non-resident graduate students may, if they so desire, pay a non-resident infirmary fee of five dollars which entitles them to a medical examination by the College Physician and to dispensary care. Non-resident students may also take the opportunity to have a paper plate chest X-ray at a fee of about two dollars when the annual college X-ray survey is made in the autumn.

THE LIBRARY

The Library of Bryn Mawr College contains 210,000 volumes and over 14,000 pamphlets. Over 1,000 periodicals and serial publications in English, French, German, Italian, Spanish, and Swedish are currently received. The basic collection is contained in the M. Carey Thomas Library. The seminary and reading rooms of the Social Economy Department contain a wide assortment of books and periodicals relating to the social sciences.

The privilege of drawing books from any of these collections (with the exception of those books that are on reserve) is granted to all registered students. There is free access to the stacks. The library is open daily, except Sunday, from 8 A. M. to 10 P. M. and on Sunday from 9 A. M. to 10 P. M. (The stacks are open from 2 P. M. to 10 P. M. on Sunday.)

In addition to the Bryn Mawr library facilities, the Union Library Catalogue in the Fine Arts Building of the University of Pennsylvania makes possible the easy location of books to be found in any of the more than one hundred and fifty cooperating libraries in the Philadelphia metropolitan area. This catalogue contains a record of about 3,500,000 titles. The Philadelphia Bibliographical Center and Union Library Catalogue endeavors to assist research workers in bibliographical problems which fall outside the scope of any individual library.

DEGREES

For qualified students of the Graduate Department of Social Economy, three degrees are offered—Master of Social Service, Master of Arts, and Doctor of Philosophy.

MASTER OF SOCIAL SERVICE

The program leading to the degree of Master of Social Service includes four semesters and a ten-week summer session between the first and second years. The program is designed to prepare students for work in the various social services and offers three major areas of concentration—social casework, community organization and social research. The degree represents the completion of a coordinated program of courses and field-work, with different arrangements in accordance with the student's choice of major field of concentration.

Prerequisites. The prerequisite for the M.S.S. degree is an A.B. degree or its equivalent from an American college of recognized standing[1], or a degree or certificate of the same standard from a foreign university. An undergraduate major in one of the social sciences is usually required although in exceptional cases this requirement is waived. There are no language requirements for the M.S.S. degree.

Program of Work. In general, all beginning students follow a basic program during the first year, with some opportunity for differentiation during the second semester. In their second year programs will differ more widely, according to areas of concentration.

All candidates for the M.S.S. degree spend the first semester of their first year in class work. During the second semester, two days a week are devoted to courses and three days to field practice in casework. During the summer session, students majoring in casework spend four days each week in field practice and one

[1] In general, this term has been interpreted to mean colleges of the United States and Canada on the approved list of the Association of American Universities. Graduates of other American and Canadian colleges may be admitted to candidacy on probation. At any time after the completion of one semester of graduate work at Bryn Mawr College the Graduate Committee may, on the recommendation of the department, accept the student on probation as a candidate.

day in courses. Those carrying other majors spend an equivalent time with an agency or institution which will provide experience related to their major interests. During the second year, students majoring in casework devote two days a week to courses and three days to field practice; others devote their full time to courses of study and research, supplemented by some field observation.

Requirements for Degree. Candidates for the M.S.S. degree must have completed the equivalent of six units, including designated field-work, as well as specified non-credit lectures. Candidates must prepare a Master's paper and pass a Final Examination which will test their ability to place their special fields in the general background of their majors.

MASTER OF ARTS

The degree represents the completion of a co-ordinated program of three graduate units which, for a well prepared candidate, requires a minimum of a full year of graduate study. Work for the degree may be spread over two or three academic years which need not be in succession but must be included in a five-year period. Only courses taken at Bryn Mawr College are credited for the degree.

Prerequisites. The prerequisite for the M.A. degree is an A.B. degree or its equivalent from an American college of recognized standing or a degree or certificate of the same standard from a foreign university. The preparation must include such undergraduate work in the candidate's major subject and allied fields as shall be required by the department.

Language Requirements. A reading knowledge of French and German is in general required of all candidates. Students in Social Economy may substitute statistics or Spanish for one of these languages. Students whose native tongue is either French or German may offer English as a substitute for either French or German, whichever is not the native language. Foreign students whose native language is not French or German may offer English as a substitute for either French or German.

The language requirement is met by passing the general test of reading at sight and with a dictionary which is given by Bryn Mawr College to candidates for the A.B. degree. Examinations in languages and in statistical techniques which may be substituted for

one language will be held each year within three weeks after the opening of college, and candidates must present themselves for examination at this time. For candidates who fail, and for members of the Graduate School who expect to be candidates for the M.A. degree in a later year, a second examination will be held in January. No student may receive the M.A. degree in the following June who has not passed these examinations by the mid-year examination period.

Program of Work. The candidate's program must include *three* units of work: (1) one seminary or graduate course; (2) a second seminary or supervised unit of graduate work; (3) a third seminary or an undergraduate course recommended by the department. It is expected that this program will frequently include study in an allied field. If undergraduate courses are included in this last unit, they must be supplemented by organized individual work.

Requirements for Degree. The candidate shall, in consultation with the department, select a special field and write an M.A. paper which will normally relate to one of the seminaries or units of graduate work in the candidate's program. Every candidate must pass a Final Examination which shall test her ability to place the special field in a general background of her major subject. The Final Examination may not be taken until (1) the language requirements have been met (by January of the year in which the last full unit for the degree is registered); (2) the three units have been reported as satisfactory; (3) the paper in the special field has been accepted.

DOCTOR OF PHILOSOPHY

The course of study for the degree of Doctor of Philosophy offers the student the opportunity to acquire a broad general background in the chosen fields of knowledge, and practice in research in these fields. The degree is awarded after the student's general knowledge and ability in research have been tested by examination and by a dissertation.

The candidate for the Ph.D. degree should have ability of high order, intellectual curiosity and critical judgment, independence, a broad general education, fundamental training in the major and allied fields, and the determination needed to carry through an exacting program.

The general requirements for the Ph.D. degree are:

1. An undergraduate preparation in major and allied fields which is satisfactory to the Department and to the Graduate Committee.

2. A course of study requiring a minimum, which will usually be exceeded, of three full years of graduate work in major and allied fields; two of these years, or for holders of the A.B. degree from Bryn Mawr College one, must be spent in the Graduate School of Bryn Mawr College. Candidates are strongly advised to complete at least seven units of graduate work including five graduate courses; there are, however, no formal course requirements for students who have been accepted as candidates for the degree.

3. The acceptance of the student as a candidate by the Director of her work, by the Department, and by the Graduate Committee.

4. A reading knowledge of French and German, tested by a written examination in the translation of French and German texts in the field of the major subject.

5. A satisfactory Preliminary Examination in the candidate's major and allied fields. This examination is intended to test the candidate's general knowledge of the fields rather than familiarity with particular courses.

6. The preparation of a dissertation judged to be a contribution worthy of publication. The dissertation must represent independent investigation in the field covered by the major subject. It must contain new material, results or interpretations.

7. A satisfactory Final Examination in the special field of the major subject in which the dissertation has been written.

8. The publication of the dissertation in whole or in part.

COURSES OF STUDY

All undergraduate and graduate courses of the College are open to properly qualified graduate students. Only courses especially pertinent to the program in Social Economy are described in this calendar[1]. For the complete program see the Calendar of Undergraduate Courses and the Calendar of Graduate Courses.

Graduate and undergraduate courses at the University of Pennsylvania are also available for graduate students of Bryn Mawr College. By a reciprocal arrangement with the University full-time graduate students of Bryn Mawr College are admitted without tuition charge to courses at the University for which they are qualified.

Every graduate student must register her courses at the Office of the Dean of the Graduate School within two weeks after entering the College. Permission to make any change in registration must be received from the Dean of the Graduate School.

Candidates for the M.A. and the Ph.D. degrees will select those courses which are related to their special fields of interest. In general, candidates for the M.S.S. degree are required to take *History of Social Welfare, Physical and Psychological Development of the Individual* and *Introduction to Social Research* during the first semester of their first year and *Legislation for Social Security, Problems of Physical and Mental Disease* and *Casework I* during the second semester of their first year, and *Social Research* during the first semester of their second year. Further requirements are contingent upon the candidate's field of concentration.

Sociology, Economics and Psychology

History of Social Welfare (first semester): Dr. Kraus.

Principles and practices of the more important earlier methods of assisting the poor, the physically, mentally and socially handicapped, and of the major community resources developed for the purpose both here and abroad.

Legislation for Social Security (second semester): Dr. Kraus.

Social legislation in the United States, current and pending, with emphasis on the changes in fundamental concepts. Important social legislation in other countries is used as comparative material.

[1] Undergraduate courses are indicated by arabic numbers. The letter "a" following the number indicates a half-course given in the first semester; the letter "b" a half-course given in the second semester. An asterisk * indicates a graduate seminary which is offered upon the request of a sufficient number of students.

Child Welfare Services (202b): Dr. Kraus.

A survey of child welfare needs and services with special emphasis on the development of recent government programs.

**International Welfare Services:* Dr. Kraus.

The history and principles of international cooperation for social welfare in the fields of war and disaster relief, and international aid to rehabilitation and resettlement. Special attention is given to the strengthening of the social welfare component in various inter-governmental agency programs and the development of long-range policies and standards for human welfare and suitable methods for their international implementation.

Physical and Psychological Development of the Individual (first semester): The Department and Special Lecturers.

Selected knowledge from the fields of medicine, psychology, and psychiatry regarding normal growth and change of the individual as an integrated, functional organism. The emphasis is on the process of adjustment during growth and the building up of mechanisms for meeting physical and social forces in a changing culture.

Problems of Physical and Mental Disease (second semester): The Department and Special Lecturers.

Knowledge from the related fields of medicine and psychiatry regarding specific disease processes as they commonly appear in social work practice. The emphasis is on those diseases which have an important social component, especially the chronic illnesses, and on related or resulting problems of social maladjustment.

Advanced Psychiatric Information (first semester): Dr. Saul and Dr. Steele.

Ten lectures giving a systematic presentation of the field of psychiatry as it impinges upon the work of the social caseworker. No credit, but required of all students majoring in casework.

The Labor Movement (first semester): Miss Peterson.

History of the American Labor Movement with emphasis upon the political and economic factors which have influenced its development and present characteristics; causes of labor disputes and methods of settlement.

Employer-Labor Relations (second semester): Miss Peterson.

Significance of collective bargaining; legal aspects; nature of the collective bargaining contract in various industries; wage determination; personnel policies and practices.

**Clinical Problems:* Dr. Cox.

The first semester is devoted to the study of the neurological deficiencies, learning disabilities, and to the more important aspects of interpretation and application of psychological test findings. In the second semester behavior problems of children and adolescents

are studied, and opportunity is provided for supervised work with individual children. Each semester may be taken as a half-unit course.

Social Psychology (201a): Dr. Adams.

A study of the psychological determinants of social behavior.

Clinical Psychopathology (302a): Dr. Arnold.

The psychodynamics of abnormal behavior, clinical types, methods of investigation, and principles of psychotherapy.

Processes and Techniques

Social Casework I (second semester): Miss Zender and Miss Gayford.

The generic processes in casework practice; interaction among client, worker, agency, and community developed through class discussion of the student's own material and material introduced by the instructor. Field work: 300 hours.

Social Casework I (summer): Miss Zender and Miss Gayford.

Continuation of generic processes in casework practice. Field work: 300 hours.

Social Casework II (one year): Miss Zender.

A study of case material designed to deepen the student's skill in dealing with the various problems which bring clients to the social casework agencies. Field work: 600 hours.

Principles of Medical Social Work (one year): Miss Gayford.

Medical social casework in various medical settings with emphasis upon understanding the social and emotional component in illness and in medical care; administrative problems of medical social work. A series of medical lectures, clinic observation and participation in medical conferences are arranged at various medical schools in Philadelphia. Field work: 600 hours.

Community Organization (first semester): Dr. Kraus.

Past and present methods and trends in the organized planning, promotion, and implementation of social welfare programs in different functional fields and in relation to their operation on different levels of government.

Students majoring in Community Organization will be assigned block field work during one summer. (375 hours.)

Social Administration (second semester): Dr. Kraus.

The principles and procedures of administration as applied to public and private social agencies; inter-agency relations. Opportunities for field work and research will be arranged according to the interests and qualifications of the students.

**Public Administration* (first semester): Dr. Wells.

The role of public administration in the modern state; administrative organization, public relations of administrative agencies, inter-governmental relations, personnel problems, financial administration and administrative law.

Introduction to Social Research (first semester): Dr. Lower.

Principles, methods and use of social research.

Required of all candidates for degrees who have not had an equivalent undergraduate or graduate course.

Social Research (first semester): Dr. Lower.

The more advanced methods and recent developments in social research as well as application of research methods in the planning and execution of specific projects.

Statistics (203): Dr. Lehr.

Descriptive statistics; distributions; mean values; dispersion; elements of probability, of sampling, and of time series. The necessary mathematics is developed in the course.

**Principles and Administration of School Guidance:* Dr. Cox.

Philosophy and practice of the school counselor, teacher and administrator in dealing with the guidance of children in secondary and elementary schools in matters of educational and vocational, emotional and social adjustment. Effective approaches in dealing with behavioral deviations are explored. Each semester may be taken as a half unit course.

FELLOWSHIPS AND SCHOLARSHIPS

Bryn Mawr College offers fellowships, resident and non-resident scholarships, and a research assistantship to women students in the Department of Social Economy. In addition, scholarships are offered by various agencies in the Philadelphia vicinity to both men and women graduate students preparing for social work.

Applications for resident fellowships and scholarships should be made to the Secretary of the Department of Social Economy and must be filed not later than March first preceding the academic year for which they are desired. Blanks are forwarded to all applicants by the Secretary. Awards are announced each year on April first. Original papers and photographs, sent by applicants in support of their applications, can be returned only if postage is enclosed for that purpose, or specific instructions are given for return by express. Testimonials and letters from professors and instructors are filed for reference.

Susan M. Kingsbury Research Assistantship: A research assistantship of the value of $1,000 with remission of tuition will be granted to an advanced student, preferably a candidate for the degree of Doctor of Philosophy, who from either training or experience has knowledge of methods and techniques in social investigation. The holder of the Assistantship will give half of her time to the research of the Department, and half of her time to study. She is not permitted to hold any other paid position. She may live on the campus, paying the usual charges for residence.

Carola Woerishoffer Memorial Fellowships: Two Resident Fellowships of the value of $1,250 each are offered annually to American or Canadian women students. They are awarded on the ground of excellence in scholarship to candidates who have completed at least one year of graduate work at a college of recognized standing. Resident Fellows pay the regular fees for residence and tuition. Holders of Fellowships are not permitted to teach or to hold paid positions.

Carola Woerishoffer Memorial Scholarships: Two Resident Graduate Scholarships of the value of $650 each will be awarded on the ground of excellence in scholarship to candidates who have obtained their first degrees from a college of recognized standing.

The Susan M. Kingsbury Research Grant, value of $300, is awarded in alternate years on the recommendation of the Director of the Graduate Department of Social Economy to advanced students, preferably candidates for the degree of Doctor of Philosophy.

Scholarships in Social Work: Various agencies and hospitals in Philadelphia and vicinity offer a limited number of scholarships and fellowships ranging from $500 to $1100 to second-year students who are candidates for the Master's degree in Social Service. These agency scholarships and fellowships call for field work placement in the agency giving the grant, and may call for an agreement as to employment for one year following the holding of the grant.

General College Scholarships

In addition to the fellowships and scholarships available only to students in the Graduate Department of Social Economy are some scholarships which are open to all graduate women students of Bryn Mawr College:

Eighteen *Resident Graduate Scholarships,* value $650 each, are offered annually in open competition to students who are graduates of colleges of good standing. In rare cases applicants for these scholarships may, on the basis of financial need, be given a supplementary grant not to exceed $200.

Six *Non-Resident Tuition Scholarships,* value $400 each, are offered annually to graduate students whose homes are in the vicinity of the College.

Graduate Prize

The Susan B. Anthony Memorial Prize, value $500, commemorating the great work of Susan B. Anthony for women, was founded by her friend, Anna Howard Shaw, and her niece, Lucy E. Anthony. It is offered every two years to a graduate student at Bryn Mawr College who has published or submitted in final form for publication the best study dealing with the industrial, social, economic, or political position of women in the past, present, or future. The award is made by a committee of which the President of the College is chairman.

LOAN FUND

The Bertha Goldstein Memorial Loan Fund, established in honor of Bertha Goldstein, A.B. 1938 and M.A. 1939, is a revolving fund from which, upon recommendation of the Department of Social Economy, a limited number of loans, not exceeding $150, may be made to graduate students of Social Economy. Loans are made without interest and must be repaid within five years.

FIELD TRAINING CENTERS

American Friends Service Committee, Philadelphia.
American Red Cross, Philadelphia.
Associated Aid Societies of Harrisburg, Pa.
Children's Bureau of Wilmington, Wilmington, Del.
Children's Service, Inc., Philadelphia.
Child Study Institute, Bryn Mawr College.
Community Service Association, Lancaster, Pa.
Council of Social Agencies, Pittsburgh, Pa.
County Department of Public Assistance of Dauphin County, Harrisburg, Pa.
County Department of Public Assistance of Montgomery County, Norristown, Pa.
County Department of Public Assistance of Philadelphia County.
The Family Society of Philadelphia.
Family Service of Western Delaware County, Media, Pa.
Florence Crittenton Home, Philadelphia.
The First Family Day Care Association, Philadelphia.
Friends Neighborhood Guild, Philadelphia.
Health and Welfare Council, Inc., Philadelphia.
International Institute, Philadelphia.
Jewish Family Service of Philadelphia.
Jewish Welfare Society, Philadelphia.
Lower Montgomery Family Service Society, Jenkintown, Pa.
The Main Line Federation of Churches, Ardmore, Pa.
The Neighborhood League of Wayne, Wayne, Pa.
Norristown State Hospital Social Service Department, Norristown, Pa.
Philadelphia City Planning Commission.
Philadelphia Housing Association.
Philadelphia Psychiatric Hospital, Philadelphia.
Sleighton Farm School for Girls, Darling, Pa.
St. Christopher's Hospital for Children, Philadelphia.
State Board of Public Welfare of North Carolina, Raleigh, N. C.
Tennessee Valley Authority, Knoxville, Tenn.
The Travelers Aid Society of Philadelphia.
Hospital of the University of Pennsylvania, Philadelphia.
The Woman's Hospital, Philadelphia.
Veterans Administration, Philadelphia.
Youth Consultation Service, Camden, N. J.

Bryn Mawr College

CALENDAR

UNDERGRADUATE COURSES

ISSUE FOR THE SESSION OF

1951 · 1952

APRIL 1951

FOREWORD

Bryn Mawr College was founded by Dr. Joseph Taylor of Burlington, New Jersey. During his lifetime the site of the College at Bryn Mawr, Pennsylvania, eleven miles west of Philadelphia, was purchased and the buildings were begun. At his death in January, 1880, he left the greater part of his estate for the maintenance of this institution of higher education for women. In 1880 the College was incorporated under the laws of the Commonwealth of Pennsylvania and was invested with the power to confer degrees. In 1884 Dr. James E. Rhoads was elected President of the College and Dr. M. Carey Thomas was elected Dean of the Faculty. Plans were then matured and academic appointments were made. In the autumn of 1885 the College began its first academic year. On the resignation of President Rhoads in 1893 Dean Thomas was elected to the presidency, an office she held till her retirement in 1922. President Marion Edwards Park succeeded President Thomas in 1922 and retired in 1942. President Katharine Elizabeth McBride took office on July 1, 1942.

The College believes in the value of small classes and limits the enrollment of undergraduate students to about five hundred and fifty and graduate students to about one hundred and fifty.

Bryn Mawr confers the degrees of Bachelor of Arts, Master of Arts, Master of Social Service, and Doctor of Philosophy.

Graduate studies are pursued in all fully organized departments of the College. For information consult the Calendar of Graduate Courses.

CALENDAR

1951-1952

SEPTEMBER

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APRIL

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COLLEGE CALENDAR

1951-1952

1951

FIRST SEMESTER

September	22.	Halls of Residence open to the entering class at 8 A.M. Registration of Freshmen
	24.	Graduate Center open to new graduate students at 9 A.M. Registration of new graduate students Deferred, condition and auditors' examinations begin
	25.	Halls of Residence open to all returning graduate and undergraduate students at 8 P.M.
	26.	Registration of students Deferred, condition and auditors' examinations end
	27.	Work of the 67th academic year begins at 8.45 A.M.
October	13.	German examinations for undergraduates, M.A. and Ph.D. candidates
	*20.	French examinations for undergraduates, M.A. and Ph.D. candidates
	27.	Spanish and Italian examinations for undergraduates, M.A. and Ph.D. candidates Statistics examinations for M.A. candidates
November	3.	Hygiene examination
	21.	Thanksgiving holiday begins after last class
	26.	Thanksgiving holiday ends at 9 A.M.
December	14.	Christmas vacation begins at 12.45 P.M.

1952

January	3.	Christmas vacation ends at 9 A.M.
	12.	German examinations for Seniors conditioned, M.A. and Ph.D. candidates
	18.	Last day of lectures
	*19.	French examinations for Seniors conditioned, M.A. and Ph.D. candidates
	21.	Collegiate examinations begin
	26.	Spanish and Italian examinations for Seniors conditioned, M.A. and Ph.D. candidates Statistics examinations for M.A. candidates
February	2.	Collegiate examinations end

SECOND SEMESTER

February	5.	Work of the second semester begins at 9 A.M.
March	28.	Spring vacation begins after last class
April	7.	Spring vacation ends at 9 A.M. Deferred examinations begin
	12.	Deferred examinations end
	19.	Hygiene examination
	26.	French examinations for undergraduates, Ph.D. candidates, and M.A. candidates for 1953
May	* 3.	Spanish and Italian examinations for undergraduates, Ph.D. candidates, and M.A. candidates for 1953
	10.	German examinations for undergraduates, Ph.D. candidates, and M.A. candidates for 1953
	16.	Last day of lectures
	19.	Collegiate examinations begin
	30.	Collegiate examinations end
June	1.	Baccalaureate service
	3.	Conferring of degrees and close of the 67th academic year

* Additional language examinations (Greek, Russian, etc.) will be scheduled during this period in relation to other examinations of the students concerned.

CALENDAR

1952-1953

S	M	T	W	T	F	S
SEPTEMBER						
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				
OCTOBER						
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	
NOVEMBER						
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30						
DECEMBER						
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			
1953						
JANUARY						
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

S	M	T	W	T	F	S
FEBRUARY						
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
MARCH						
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				
APRIL						
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30		
MAY						
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						
JUNE						
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				

COLLEGE CALENDAR

1952-1953

FIRST SEMESTER

1952

September	25.	Halls of Residence open to the entering class at 8 A.M.
		Registration of Freshmen
		Deferred, condition and auditors' examinations begin
	27.	Graduate Center open to new graduate students at 9 A. M.
		Registration of new graduate students
		Deferred, condition and auditors' examinations end
	28.	Halls of Residence open to all returning graduate and undergraduate students at 8 P.M.
	29.	Registration of students
	30.	Work of the 68th academic year begins at 8.45 A.M.
November	26.	Thanksgiving holiday begins after last class
December	1.	Thanksgiving holiday ends at 9 A.M.
	19.	Christmas vacation begins at 12.45 P.M.

1953

January	5.	Christmas vacation ends at 9 A.M.
	16.	Last day of lectures
	19.	Collegiate examinations begin
	30.	Collegiate examinations end

SECOND SEMESTER

February	2.	Work of the second semester begins at 9 A.M.
March	27.	Spring vacation begins after last class
April	7.	Spring vacation ends at 9 A.M.
May	15.	Last day of lectures
	18.	Collegiate examinations begin
	29.	Collegiate examinations end
June	2.	Conferring of degrees and close of 68th academic year

CORRESPONDENCE

The Post Office address of the College is Bryn Mawr College, Bryn Mawr, Pennsylvania.

Correspondence regarding the following subjects should be addressed to:

The President
General interests of the College

The Dean
General welfare of undergraduate students
Academic work of students
Health program

The Director of Admissions
Admission to the Undergraduate School
Entrance scholarships
Requests for catalogues

The Director of Halls
Rooms in the Halls of Residence

The Comptroller
Payment of bills

The Director of the Bureau of Recommendations
Recommendations for positions and inquiries regarding students' self-help.

The Alumnæ Secretary
Regional scholarships and loan fund
Alumnæ activities

Prospective students are encouraged to secure information about the College from their local College Representatives (see list on pages 22-27).

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THE TRUSTEES OF BRYN MAWR COLLEGE

CHARLES J. RHOADS
President

THOMAS RAEBURN WHITE
FREDERIC H. STRAWBRIDGE
Vice-Presidents

J. HENRY SCATTERGOOD
Treasurer

AGNES BROWN LEACH[1]
Secretary

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FREDERIC H. STRAWBRIDGE
RICHARD MOTT GUMMERE
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J. EDGAR RHOADS
C. CANBY BALDERSTON
ELIZABETH GRAY VINING[3]
FREDERIC C. SHARPLESS
HENRY JOEL CADBURY

BOARD OF DIRECTORS

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President

CAROLINE MCCORMICK SLADE[4]
RICHARD MOTT GUMMERE
Vice-Presidents

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HENRY JOEL CADBURY
KATHARINE ELIZABETH MCBRIDE
CAROLINE MCCORMICK SLADE[4]
JOSEPHINE YOUNG CASE[5]
ADELAIDE W. NEALL
ELEANOR LITTLE ALDRICH[6]
ELEANOR A. BLISS
J. TYSON STOKES
HELEN TREDWAY GRAHAM[7]
Alumnæ Director, 1946-51
JEAN T. PALMER
Alumnæ Director, 1947-52
HELEN HILL MILLER[8]
Alumnæ Director, 1948-53
ELEANOR NEWELL BURRY[9]
Alumnæ Director, 1949-54
EMILY R. CROSS
Alumnæ Director, 1950-55

MARION EDWARDS PARK, by invitation
President Emeritus of Bryn Mawr College

HILDA THOMAS MUMFORD,[10] by invitation
President of Alumnæ Association

1 Mrs. Henry Goddard Leach.
2 Mrs. Rustin McIntosh.
3 Mrs. Morgan Vining.
4 Mrs. F. Louis Slade. Deceased January 12, 1951.
5 Mrs. Everett N. Case.
6 Mrs. Talbot Aldrich.
7 Mrs. Evarts Graham.
8 Mrs. Helen Hill Miller.
9 Mrs. William Burry.
10 Mrs. Thomas D. Mumford.

Standing Committees of the Board of Directors for 1951

Executive Committee

THOMAS RAEBURN WHITE
Chairman

CAROLINE MCCORMICK SLADE[1]
Vice-Chairman

CHARLES J. RHOADS
J. HENRY SCATTERGOOD
AGNES BROWN LEACH
J. EDGAR RHOADS
KATHARINE ELIZABETH MCBRIDE
JOSEPHINE YOUNG CASE
ADELAIDE W. NEALL
ELEANOR A. BLISS
JEAN T. PALMER
HENRY J. CADBURY

Committee on Religious Life

KATHARINE ELIZABETH MCBRIDE
Chairman

MILLICENT CAREY MCINTOSH
FRANCIS J. STOKES
ADELAIDE W. NEALL
HENRY J. CADBURY
ELIZABETH GRAY VINING

Buildings and Grounds Committee

FRANCIS J. STOKES, *Chairman*
FREDERIC H. STRAWBRIDGE
J. EDGAR RHOADS
KATHARINE ELIZABETH MCBRIDE
ELEANOR A. BLISS
ELEANOR N. BURRY

Library Committee

KATHARINE ELIZABETH MCBRIDE
Chairman

RICHARD MOTT GUMMERE
ELEANOR LITTLE ALDRICH
HELEN TREDWAY GRAHAM
EMILY R. CROSS

Finance Committee

CHARLES J. RHOADS, *Chairman*
J. HENRY SCATTERGOOD
AGNES BROWN LEACH
CAROLINE MCCORMICK SLADE[1]
ELEANOR LITTLE ALDRICH
HELEN HILL MILLER
J. TYSON STOKES

Deanery Committee

ADELAIDE W. NEALL, *Chairman*
ELEANOR A. BLISS, *Vice-Chairman*
HELEN TREDWAY GRAHAM, *Secretary*

AGNES BROWN LEACH[2]
MILLICENT CAREY MCINTOSH
ELIZABETH GRAY VINING
KATHARINE ELIZABETH MCBRIDE
CAROLINE MCCORMICK SLADE [1]
JOSEPHINE YOUNG CASE
ELEANOR LITTLE ALDRICH
JEAN T. PALMER
HELEN HILL MILLER
ELEANOR NEWELL BURRY
EMILY R. CROSS

[1] Deceased January 12, 1951.
[2] By invitation.

COLLEGE ADMINISTRATION

Academic Year 1950-1951

President:
Katharine Elizabeth McBride, Ph.D., LL.D., L.H.D., Sc.D.
Office: Taylor Hall.

Dean of the College: Dorothy Nepper Marshall, Ph.D.
Office: Taylor Hall.

Dean of the Graduate School: Lily Ross Taylor, Ph.D., Litt.D.
Office: The Library.

Dean of Freshmen and Director of Admissions:
Annie Leigh Broughton, M.A.[1]
Office: Taylor Hall.

Assistant to the President and Acting Director-elect of Admissions:
Margaret Tyler Paul, A.B.
Office: Taylor Hall.

Assistant Dean-elect of the College: Catherine H. Fales, Ph.D.
Office: Taylor Hall.

Comptroller: Raymond G. Buckley
Office: Taylor Hall.

Field Secretary and Assistant to the Director of Admissions:
Nancy Martin, A.B.
Office: Taylor Hall.

Foreign Student Adviser: Martha M. Diez, M.A.

Halls, Director of, and Head Warden:
Charlotte Brandon Howe, M.A.
Office: Rockefeller Hall.

Librarian: Janet Margaret Agnew, B.L.S., M.A.
Office: The Library.

Physical Education, Director of: Irene A. Clayton, M.S.
Office: The Gymnasium.

Physician, College: Elizabeth Humeston, M.D.
Office: The Infirmary.

Physician, Assistant College: Isaac Sharpless, M.D.
Office: The Infirmary.

Psychiatrist, Consulting: Howard B. Smith, M.D.
Office: The Infirmary.

1 Granted leave of absence for the year 1951-52.

Public Relations, Director of: Carol Biba, A.B.
Office: Taylor Hall.

Public Relations, Assistant to the Director of, in Charge of Publications: Margaret Simpson David, M.A.
Office: Taylor Hall.

Recommendations, Acting Director of Bureau of:
Isabella H. Watson, A.B.
Office: Taylor Hall.

Recommendations, Adviser in the Bureau of:
Phyllis Martin Sullivan, A.B.
Office: Taylor Hall.

Recorder of the College: Marian Carter Anderson, B.S.
Office: Taylor Hall.

Superintendent: Horace T. Smedley
Office: Rockefeller Hall.

Treasurer, Assistant to the: Sandy Lee Hurst
Office: Taylor Hall.

Warden of Denbigh Hall: Elizabeth D. Horrax, A.B.

Warden of Merion Hall: Isabel Howland Witte, A.B.

Warden of Pembroke Hall East: Janet Elizabeth Groff, M.A.

Warden of Pembroke Hall West: Alice Mary Litwinchuk, M.A.

Warden of Radnor Hall: Pauline Rose Utzinger, A.B.

Warden of Rhoads Hall North: Roberta M. Paine, A.B.

Warden of Rhoads Hall South: Jean A. Potter, M.A.

Warden of Rockefeller Hall and Assistant to the Dean:
Louisa Shannon DuBose, M.A.

Warden of Wyndham (French House):
Yvonne M. J. Guers, *Licenciée-ès-Lettres*

Senior Resident of Graduate Center:
Anne H. Martin, M.A.

FACULTY AND STAFF

ACADEMIC YEAR, 1950-1951

KATHARINE ELIZABETH MCBRIDE, Ph.D., LL.D., L.H.D., Sc.D., *President of the College.*

MARION EDWARDS PARK, Ph.D., LL.D., *President Emeritus of the College.*

DOROTHY NEPPER MARSHALL, Ph.D., *Dean of the College.*

LILY ROSS TAYLOR, Ph.D., Litt.D., *Dean of the Graduate School and Professor of Latin.*

ANNIE LEIGH BROUGHTON, M.A., *Dean of Freshmen and Director of Admissions.*

WILMER CAVE WRIGHT, Ph.D., *Professor Emeritus of Greek.*

REGINA KATHARINE CRANDALL, Ph.D., *Professor Emeritus of English Composition.*

GRACE MEAD ANDRUS DE LAGUNA, Ph.D., *Professor Emeritus of Philosophy.*

CHARLES GHEQUIERE FENWICK, Ph.D., LL.D., *Professor Emeritus of Political Science.*

EUNICE MORGAN SCHENCK, Ph.D., *Professor Emeritus of French.*

ANNA PELL WHEELER, Ph.D., Sc.D., *Professor Emeritus of Mathematics.*

MARY HAMILTON SWINDLER, Ph.D., LL.D., *Professor Emeritus of Classical Archæology.*

CORNELIA LYNDE MEIGS, A.B., *Professor Emeritus of English Composition.*

SAMUEL CLAGGETT CHEW, Ph.D., Litt.D., *Mary E. Garrett Alumnæ Professor of English Literature and Holder of the Mary Hill Swope Grant.*

RHYS CARPENTER, Ph.D., Litt.D., *Professor of Classical Archæology and Holder of the Julius and Sarah Goldman Grant.*

JAMES LLEWELLYN CRENSHAW, Ph.D.,[1] *Professor of Physical Chemistry.*

HELEN TAFT MANNING, Ph.D., LL.D., *Marjorie Walter Goodhart Professor of History.*

HORACE ALWYNE, F.R.M.C.M., *Alice Carter Dickerman Professor of Music and Director of the Department of Music.*

1 On sabbatical leave for the year 1950-51. Deceased, November 22, 1950.

ROGER HEWES WELLS, Ph.D., *Professor of Political Science.*

MAX DIEZ, Ph.D., *Professor of German Literature.*

GRACE FRANK, A.B.,[1] *Non-resident Professor of Old French.*

STEPHEN JOSEPH HERBEN, B.Litt., Ph.D., *Professor of English Philology.*

FRITZ MEZGER, Ph.D., *Professor of Germanic Philology.*

THOMAS ROBERT SHANNON BROUGHTON,[1] Ph.D., *Professor of Latin.*

EDWARD H. WATSON, Ph.D., *Professor of Geology.*

MILTON CHARLES NAHM, B.Litt., Ph.D., *Professor of Philosophy.*

WALTER C. MICHELS, Ph.D., *Marion Reilly Professor of Physics.*

MARGARET GILMAN, Ph.D.,[2] *Professor of French.*

LINCOLN DRYDEN, Ph.D., *Professor of Geology.*

FLORENCE PETERSON, M.A., *Professor of Social Economy and Director of the Graduate Department of Social Economy and Social Research.*

CAROLINE ROBBINS, Ph.D., *Professor of History.*

RICHMOND LATTIMORE, Ph.D., *Paul Shorey Professor of Greek.*

K. LAURENCE STAPLETON, A.B., *Professor of English and of Political Theory.*

ALEXANDER COBURN SOPER, III, M.F.A., Ph.D., *Professor of History of Art.*

MARY SUMMERFIELD GARDINER, Ph.D., *Professor of Biology.*

GERMAINE BRÉE, *Agrégée de l'Université, Professor of French.*

MILDRED BENEDICT NORTHROP, Ph.D., *Professor of Economics.*

FELIX GILBERT, Ph.D., *Professor of History.*

ARTHUR COLBY SPRAGUE, Ph.D., *Professor of English.*[1]

JOSEPH CURTIS SLOANE, M.F.A., Ph.D., *Associate Professor and Professor-elect of History of Art.*

PAUL SCHRECKER, Ph.D., LL.D., *Visiting Professor of Philosophy.*

MARGUERITE LEHR, Ph.D., *Associate Professor of Mathematics.*

ANGELINE HELEN LOGRASSO, Ph.D., *Associate Professor of Italian.*

MYRA RICHARDS JESSEN, Ph.D., *Associate Professor of German.*

DOROTHY WYCKOFF, Ph.D., *Associate Professor of Geology.*

BERTHE MARIE MARTI, Ph.D.,[3] *Associate Professor of Latin and French.*

1 Granted sabbatical leave for the year 1951-52.
2 On leave of absence for the year 1950-51.
3 On sabbatical leave for the year 1950-51.

RICHARD BERNHEIMER, Ph.D.,[1] *Associate Professor of History of Art, on joint appointment with Haverford College.*

MARY KATHARINE WOODWORTH, Ph.D., *Associate Professor of English.*

HERTHA KRAUS, Ph.D.,[1] *Carola Woerishoffer Associate Professor of Social Economy.*

JOHN CORNING OXTOBY, M.A., *Associate Professor of Mathematics.*

ISABEL SCRIBNER STEARNS, Ph.D.,[2] *Associate Professor of Philosophy.*

AGNES KIRSOPP LAKE MICHELS, Ph.D., *Associate Professor of Latin.*

L. JOE BERRY, Ph.D., *Associate Professor of Biology.*

JANE MARION OPPENHEIMER, Ph.D.,[3] *Associate Professor of Biology.*

ERNST BERLINER, Ph.D., *Associate Professor of Chemistry.*

JOSHUA C. HUBBARD, Ph.D.,[1] *Associate Professor of Economics.*

FREDERICK WAKEFIELD THON, M.F.A., *Associate Professor of the Drama.*

FREDERICA DE LAGUNA, Ph.D., *Associate Professor of Anthropology.*

RACHEL DUNAWAY COX, Ph.D., *Associate Professor of Education and Psychology.*

BETTINA LINN, M.A., *Associate Professor of English.*

GEORGE P. CUTTINO, D.Phil.,[4] *Associate Professor of History, on joint appointment with Swarthmore College.*

GEDDES MACGREGOR, B.D., LL.B., D.Phil., F.R.S.L., *Rufus M. Jones Associate Professor of Philosophy and Religion.*

MABEL LOUISE LANG, Ph.D., *Associate Professor of Greek.*

MANUEL ALCALÁ, Litt.D., *Associate Professor of Spanish.*

ROBERT L. GOODALE, A.B., B.Mus., A.A.G.O., *Assistant Professor and Associate Professor-elect of Music.*

JOSÉ MARIA FERRATER MORA, *Licenciado en Filosofía, Lecturer and Associate Professor-elect of Spanish and Philosophy.*

MARY MARGARET ZENDER, M.A., M.S.S., *Lecturer and Associate Professor-elect of Social Economy.*

FRANCES DE GRAAFF, Ph.D., *Assistant Professor of Russian, on joint appointment with Haverford College.*

LINDLEY J. BURTON, Ph.D., *Assistant Professor of Mathematics.*

[1] Granted sabbatical leave for the year 1951-52.
[2] Granted leave of absence for the year 1951-52.
[3] On leave of absence for the year 1950-51.
[4] On leave of absence Semester II, 1950-51, and granted leave of absence for the year 1951-52.

ROSALIE C. HOYT, Ph.D., *Assistant Professor of Physics.*

PETER BACHRACH, Ph.D., *Assistant Professor of Political Science.*

HUGUES LEBLANC, Ph.D., *Assistant Professor of Philosophy.*

JOE KENNEDY ADAMS, Ph.D.,[1] *Assistant Professor of Psychology.*

HAROLD KWART, Ph.D., *Assistant Professor of Chemistry.*

MACHTELD JOHANNA MELLINK, Ph.D., *Assistant Professor of Classical Archæology.*

JOHN R. PRUETT, Ph.D., *Assistant Professor of Physics.*

EDITH HAMILTON LANMAN, M.A., *Assistant Professor of Chemistry.*

MARTHA M. DIEZ, M.A., *Assistant Professor of German.*

HEINZ POLITZER, Ph.D., *Assistant Professor of German.*

GERTRUDE C. K. LEIGHTON, A.B., LL.B., *Assistant Professor of Political Science.*

ARTHUR P. DUDDEN, Ph.D., *Assistant Professor of History.*

JOHN I. MICHAELS, JR., M.A., *Certificate* of the Russian Institute, Columbia University, *Assistant Professor of Political Science, on joint appointment with Haverford College and Swarthmore College.*

FRANK S. PARKER, Ph.D., *Assistant Professor of Biology.*

EUGENE V. SCHNEIDER, Ph.D., *Assistant Professor-elect of Sociology.*

MAURICE GONNAUD, *Agrégé de l'Université, Assistant Professor-elect of French.*

WARNER B. BERTHOFF, M.A., *Assistant Professor-elect of English.*

GEORGE L. ZIMMERMAN, Ph.D., *Assistant Professor-elect of Chemistry.*

MURIEL JANET GAYFORD, M.S.P.A., *Lecturer in Medical Social Case Work.*

KATHERINE D. K. LOWER, Ph.D., *Lecturer in Social Economy.*

FRANK BARRON, Ph.D., *Lecturer in Psychology.*

CATHERINE H. FALES, Ph.D., *Lecturer in Biology.*

ESTHER R. B. PESE, Ph.D., *Lecturer in French.*

ANTONIN THIOLLIER, *Doctorat en droit, Lecturer in French.*

MAXINE WOOLSTON, Ph.D., *Lecturer-elect in Economics.*

JEAN A. POTTER, M.A., *Lecturer-elect in Philosophy.*

STEPHEN E. WHICHER, Ph.D., *Visiting Lecturer in American Literature.*

ANGEL DEL RIO, *Doctor en Filosofía, Visiting Lecturer in Spanish.*

1 Granted leave of absence for Semester II of the year 1951-52.

THEODOR ERNST MOMMSEN, D.Phil., *Visiting Lecturer-elect in History.*

WILLIAM J. ROACH, Ph.D., *Visiting Lecturer-elect in French.*

M. ROYDEN C. ASTLEY, M.D., *Special Lecturer in Psychiatric Information.*

AIMS C. MCGUINNESS, M.D., *Special Lecturer in Medical Information.*

ARTHUR M. ROGERS, M.D., *Special Lecturer in Medical Information.*

ELEANOR ALICE STEELE, M.A., M.D., *Special Lecturer in Psychiatric Information.*

J. P. HUBBARD, M.D., *Special Lecturer-elect in Social Economy.*

MURRAY GORDON DE JERSEY, M.A., *Instructor in Psychology.*

DEBORAH SANDS AUSTIN, M.A., *Instructor in English.*

MARGARITA ESTEVES, M.A., *Instructor in Spanish.*

CHARLOTTE SCHNAKENBERG, A.B., *Instructor in English.*

EDWARD P. MORRIS, B.A., *Instructor in French.*

OLGA LAMKERT, *Instructor in Russian, on joint appointment with Swarthmore College.*

DOROTHY ELVIRA FLETCHER, M.A., *Instructor in Psychology.*

FRANCES BONDHUS BERLINER, Ph.D., *Instructor in Chemistry.*

ANNETTE MCCORMICK, Ph.D., *Instructor in English.*

HILDEGARDE HUNT VONLAUE, A.B., *Instructor in German.*

ANTHONY F. C. WALLACE, M.A., *Instructor in Sociology.*

SANDRA WOOL, M.A., *Instructor in English.*

ISABEL WITTE, A.B., *Instructor in History, Semester II, and Instructor-elect.*

HELEN M. HUNTER, M.A., *Assistant and Instructor-elect in Economics.*

MARIANNE BOGOJAVLENSKIJ, M.A., *Instructor-elect in Russian.*

MARY L. HEUSER, M.A., *Instructor-elect in History of Art.*

NANETTE CLAIR EMERY, M.A., *Instructor-elect in Spanish.*

HENRIETTA HUFF LANDES, A.B.,[1] *Curator of Slides and Photographs.*

WILLIAM H. REESE, Ph.D., *Director of Orchestra.*

FRITZ JANSCHKA, *Artist in Residence.*

EILEEN BEIER MAHER, M.A., *Demonstrator in Psychology.*

1 On leave of absence for the year 1950-51.

JANE H. WALLACE, M.A., *Demonstrator in Geology.*

JOAN FULTON WHITE, A.B., *Demonstrator in Biology.*

ANNA RUTH BRUMMETT, M.A., *Demonstrator in Biology.*

RYDA DWARYS ROSE, A.B., *Demonstrator in Biology.*

MARGARET JEAN MCAVOY, B.Sc., *Demonstrator in Physics.*

IRINA NELIDOW, A.B., *Demonstrator in Chemistry.*

IRENE R. WARAKSA, A.B., *Demonstrator in Geology.*

ESTHER RENNERT ZUCKER, A.B., *Demonstrator in Physics.*

JULIE ANN JAEKEL, A.B., *Demonstrator-elect in Geology.*

GEORGIANNA W. SCOVIL, B.S., *Demonstrator-elect in Physics.*

NORMA A. BASSETT, A.B., *Demonstrator-elect in Psychology.*

EDITH H. WINICOV, A.B., *Demonstrator-elect in Chemistry.*

BERNICE NEWMAN, A.B., *Demonstrator-elect in Chemistry.*

ELIZABETH E. BOOTH, A.B., *Assistant in Music.*

LUCILLE FEIDEN RABIN, M.A., *Assistant in History of Art.*

MARIANNE WINTER MARTIN, M.A., *Assistant in History of Art.*

HELEN NORTHEN, M.S., *Assistant in Social Economy.*

CORLETTE ROSSITER, M.A., *Assistant in History of Art.*

EVELYN LORD SMITHSON, M.A., *Assistant in Classical Archæology.*

ELIZABETH CATESBY SPEARS, A.B., *Assistant in Philosophy.*

LOUISA SHANNON DUBOSE, M.A., *Assistant-elect in Philosophy.*

ELLEN D. PSATY, M.A., *Assistant-elect in History of Art.*

JEAN PURINTON, M.A., *Reader in Mathematics.*

LIBRARY

JANET MARGARET AGNEW, B.L.S., M.A., Librarian.

SARAH GEIST, A.B., A.M.L.S., *Head Circulation and Reference Librarian.*

JANE WALKER, B.S., *Head Cataloguer.*

ETHEL W. WHETSTONE, A.B., A.B. in L.S., *Library Assistant in the Quita Woodward Wing.*

MARGARET M. FARRELL, A.B., B.S. in L.S., *Assistant Cataloguer.*

RENATA VON SCHELIHA, M.S., Ph.D., *Assistant Cataloguer.*

JEAN RICHMOND BARTLE, B.S., B.S. in L.S., *Science and Serials Librarian.*

HALLS OF RESIDENCE

CHARLOTTE BRANDON HOWE, M.A., *Director of Halls and Head Warden.*

ELIZABETH D. HORRAX, A.B., *Warden of Denbigh.*

ISABEL HOWLAND WITTE, A.B., *Warden of Merion.*

JANET ELIZABETH GROFF, M.A., *Warden of Pembroke East.*

ALICE MARY LITWINCHUK, M.A., *Warden of Pembroke West.*

PAULINE ROSE UTZINGER, A.B., *Warden of Radnor.*

ROBERTA M. PAINE, A.B., *Warden of Rhoads North.*

JEAN A. POTTER, M.A., *Warden of Rhoads South.*

LOUISA SHANNON DUBOSE, M.A., *Warden of Rockefeller.*

YVONNE M. J. GUERS, *Licenciée-ès-Lettres, Warden of Wyndham (French House).*

ANNE H. MARTIN, M.A., *Senior Resident of Graduate Center.*

NANETTE CLAIR EMERY, M.A., *Warden-elect.*

JOANNE H. MOTT, A.B., *Warden-elect.*

HEALTH

The Deans of the College, *ex officio.*

ELIZABETH HUMESTON, M.D., *College Physician.*

FREDERIC C. SHARPLESS, M.D., *General Consultant.*

ISAAC SHARPLESS, M.D., *Assistant College Physician.*

HOWARD B. SMITH, M.D., *Consulting Psychiatrist.*

IRENE A. CLAYTON, M.S., *Director of Physical Education.*

PHYSICAL EDUCATION

IRENE A. CLAYTON, M.S., *Director of Physical Education.*

ETHEL M. GRANT, *Instructor in Physical Education.*

JANET A. YEAGER, *Instructor in Physical Education.*

EMELIA-LOUISE JEPSON KILBY, M.A., *Instructor in Physical Education.*

HELENE SAVAD, M.S., *Instructor-elect in Physical Education.*

BUSINESS ADMINISTRATION

CHARLOTTE BRANDON HOWE, M.A., *Director of Halls.*

SANDY LEE HURST, *Assistant to the Treasurer.*

RAYMOND G. BUCKLEY, *Comptroller.*

HORACE T. SMEDLEY, *Superintendent.*

JOSEPHINE FALCONE MCCUSKER, *Purchasing Agent and Manager of the Business Office.*

MARJORIE E. BACHELLER, B.S., *Dietitian.*

WILLIAM J. BURKE, *Fire Chief.*

COLLEGE REPRESENTATIVES

The following Alumnae of Bryn Mawr College have been appointed representatives of the College in the cities in which they live and will be glad at any time to answer questions about the College:

Alabama

BIRMINGHAM—Miss Louisa I. Gibson, *President of the Bryn Mawr Club of Birmingham,* Box 379, Route 1, Gardendale.

Arkansas

HOT SPRINGS—Mrs. James H. Chestnutt, *State Chairman of the Alumnæ Association,* 2412 Central Avenue.

California

PASADENA—Miss Esther E. Smith, *President of the Bryn Mawr Club of Southern California,* 613 Drexel Place.

Mrs. H. Clifford Allen, *Southern California Scholarships Chairman,* 1150 Laurel Street.

SAN FRANCISCO—Mrs. Richard L. Sloss, *President of the Bryn Mawr Club of Northern California,* 90 Sea Cliff Avenue.

Mrs. Colis Mitchum, *Northern California Regional Scholarships Chairman,* 2131 Jackson Street.

Mrs. Farwell Hill, Ross.

SAN MARINO—Mrs. C. Pardee Erdman, *Alumnæ Director-elect of Bryn Mawr College,* 1050 Rosalind Road.

Connecticut

NEW HAVEN—Mrs. Charles McLean Andrews, 424 St. Ronan Street.

Mrs. J. Wister Meigs, *President of the Bryn Mawr Club of New Haven,* 575 Ridge Road, Hamden.

Mrs. Donald G. Wing, *Regional Scholarships Chairman for New Haven,* Rimmon Road, Woodbridge.

Delaware

WILMINGTON—Mrs. Alpheus M. Ball, 1314 Woodlawn Avenue.

District of Columbia

WASHINGTON—Mrs. Helen Hill Miller, *Alumnæ Director of Bryn Mawr College,* Room 1227, National Press Building.

Mrs. Clyde S. Wilson, *President of the Bryn Mawr Club of Washington,* 7700 Bradley Boulevard, Bethesda, Md.

Miss Leslie Clark, *Washington Regional Scholarships Chairman,* 1312 27th Street, N. W.

Florida

Fort Myers—Mrs. F. Alvin Bassett, *State Chairman of the Alumnæ Association,* Fort Myers Beach.

Miami—Mrs. Dexter French, Box 27, Coconut Grove Station.

Tallahassee—Mrs. Alfred B. Maclay, Route 1, Box 22-C.

Georgia

Augusta—Mrs. Landon Thomas, *State Chairman of the Alumnæ Association,* 2226 Pickens Road.

Illinois

Chicago—Mrs. William Burry, *Alumnæ Director of Bryn Mawr College,* 909 Elm Tree Road, Lake Forest.

Miss Margaret F. Bell, *President of the Bryn Mawr Club of Chicago,* 1350 Tower Road, Winnetka.

Mrs. John F. Manierre, *Chairman, Regional Scholarships Committee for District V,* 606 Maple Avenue, Winnetka.

Mrs. William B. Wartman, *District Councillor of the Alumnæ Association,* 460 Ash Street, Winnetka.

Mrs. William G. Hibbard, 840 Willow Road, Winnetka.

Indiana

Indianapolis—Mrs. William A. Wildhack, *President of the Bryn Mawr Club of Indiana,* 3356 Central Avenue.

Mrs. Harley W. Rodehamel, Jr., *Regional Scholarships Chairman for Indiana,* 710 Nottingham Court.

Kansas

Wichita—Mrs. Cecil A. Clarke, *State Chairman of the Alumnæ Association,* 115 North Fountain Avenue.

Kentucky

Lexington—Mrs. A. Thornton Scott, *State Chairman of the Alumnæ Association,* 418 West 3rd Street.

Louisville—Mrs. C. S. Blakely, Rt. 6, Brownsboro Road.

Louisiana and Mississippi

New Orleans—Miss Elizabeth D. Kennard, *State Chairman of the Alumnæ Association,* 2700 Coliseum Street.

Maryland

BALTIMORE—Dr. Eleanor A. Bliss, *Director of Bryn Mawr College and President of the Bryn Mawr Club of Baltimore,* 1026 North Calvert Street.

Mrs. Tenney Frank, *Baltimore Regional Scholarships Chairman for Baltimore,* 110 Elmhurst Street.

Miss Clare C. Hardy, *Scholarships Representative,* 117 Bellemore Avenue.

GARRISON—Miss Nancy J. Offutt, *State Chairman of the Alumnæ Association,* Garrison Forest School.

TOWSON—Miss Elizabeth Baer, Dulaney Valley Road.

Massachusetts

BOSTON—Mrs. Talbot Aldrich, *Director of Bryn Mawr College and New England Regional Scholarships Chairman,* 59 Mount Vernon Street.

Mrs. Merrill Hunt, *President of the Bryn Mawr Club of Boston,* Conant Road, South Lincoln.

IPSWICH—Mrs. Sidney N. Shurcliff, *District Councillor of the Alumnæ Association,* Argilla Road.

Michigan

DETROIT—Mrs. James F. Graves, *Chairman of the Alumnæ Organization of Michigan,* 63 Cambridge Road, Grosse Pointe Farms 30.

Mrs. Henry P. DeWitt, *Regional Scholarships Chairman for Michigan,* 1167 Longfellow Avenue.

Minnesota

MINNEAPOLIS—Mrs. Lyndon M. King, 2412 West 24th Street.

Missouri

ST. LOUIS—Mrs. Francis L. Kenney, Jr., *President of the Bryn Mawr Club of St. Louis,* 1055 Terrace Drive, Richmond Heights, 17.

Mrs. Frank H. Proctor, *District Councillor of the Alumnæ Association, and Regional Scholarships Chairman for District VIII,* Rte. 1, Box 307, Clayton 24.

Nebraska

OMAHA—Miss Marie C. Dixon, *State Chairman of the Alumnæ Association,* 507 South 38th Street.

New Hampshire

Nashua—Miss Anna Stearns, *State Chairman of the Alumnæ Association,* 37 Orange Street.

New Jersey

Montclair—Mrs. Albert Streichenberg, *President of the Bryn Mawr Club of Montclair,* 111 Stonehouse Road, Glen Ridge.

Princeton—Mrs. Edward F. D'Arms, *President of the Bryn Mawr Club of Princeton,* Princeton-Kingston Road.

Mrs. Alan W. Carrick, *Regional Scholarships Chairman for Northern New Jersey,* 260 Prospect Avenue.

New Mexico

Santa Fé—Mrs. Wheaton Augur, *Regional Scholarships Chairman for New Mexico,* P. O. Box 884.

New York

Albany—Mrs. George B. Farrington, *President of the Bryn Mawr Club,* 97 Lincoln Avenue.

Hamilton—Mrs. Everett Case, *Director of Bryn Mawr College,* Colgate University.

New York—Mrs. Rustin McIntosh, *Trustee and Director of Bryn Mawr College,* 514 East 87th Street.

Miss Jean T. Palmer, *Alumnæ Director of Bryn Mawr College,* 88 Morningside Drive.

Mrs. William D. Murray, *President of the Bryn Mawr Club of New York City,* 323 Palisade Avenue, Yonkers 3.

Mrs. Learned Hand, 142 East 65th Street.

Mrs. Theodore Smith-Miller, *Regional Scholarships Chairman for New York,* 235 East 72nd Street.

Mrs. Thomas Thacher, Dodgewood Lane, Riverdale 63.

New Rochelle—Mrs. Harrison D. Bogardus, *Chairman of the Westchester and Fairfield Group of Bryn Mawr Alumnæ,* 38 Locust Avenue.

Rochester—Mrs. Richard C. Fowler, *Chairman of the Alumnæ Group of Rochester,* 3848 East Avenue.

North Carolina

Asheville—Mrs. George M. Stephens, *President of the Bryn Mawr Club of Asheville,* 4 Hilltop Road, Biltmore Forest.

Durham—Mrs. MacDonald Dick, *State Chairman of the Alumnæ Association,* Box 3813, Duke University.

Ohio

CINCINNATI—Mrs. J. Alister Cameron, *President of the Bryn Mawr Club of Cincinnati,* 240 Loraine Avenue.

Mrs. Martin Low, *District Councillor of the Alumnæ Association and Regional Scholarship Chairman,* Box 36, Rte. 5.

Mrs. Thomas Thurman, *Regional Scholarships Chairman for District IV,* 4175 Paxton Woods Drive.

CLEVELAND—Mrs. William H. Lowry, *President of the Bryn Mawr Club of Cleveland,* 18000 Parkland Drive, Shaker Heights.

COLUMBUS—Mrs. Thomas H. Hislop, *Chairman of the Columbus Alumnæ Group,* 7411 Cleveland Avenue, Westerville.

TOLEDO—Mrs. Ward M. Canaday, 4455 Brookside Road.

Oregon

PORTLAND—Mrs. Jan deGraaff, *Regional Scholarships Chairman for Oregon,* 01900 S. W. Palatine Hill Road.

Pennsylvania

GLADWYNE—Mrs. George McNeely, Jr., *Regional Scholarships Chairman for Eastern Pennsylvania, Southern New Jersey and Delaware,* 1550 Monk Road.

PHILADELPHIA—Miss Adelaide W. Neall, *Director of Bryn Mawr College,* 116 W. Evergreen Avenue, Chestnut Hill.

Mrs. Ernest C. Savage, *President of the Alumnæ Association,* East Graver's Lane, Chestnut Hill.

Mrs. E. Chalmers Sweeney, *President of the Bryn Mawr Club of Philadelphia,* 44 Green Valley Road, Wallingford.

Mrs. Samuel H. Paul, *Assistant to the President of Bryn Mawr College,* 540 East Graver's Lane, Chestnut Hill.

Mrs. George Vaux, *District Councillor of the Alumnæ Association,* The Thicket, Bryn Mawr.

PITTSBURGH—Mrs. Arthur E. Handcock, *President of the Bryn Mawr Club of Pittsburgh,* 6108 Walnut Street.

Mrs. Palmer S. Chambers, Jr., *Chairman, Western Pennsylvania Regional Scholarships Committee,* 229 Barth Avenue.

Rhode Island

PROVIDENCE—Mrs. David G. Wright, *President of the Bryn Mawr Club of Providence,* 305 Blackstone Boulevard.

Mrs. William B. Farnsworth, *Regional Scholarships Chairman for Providence,* 50 Barnes Street.

South Carolina

Columbia—Miss Mary K. Boyd, *District Councillor of the Alumnæ Association,* 1708 Green Street. Winter address: Garrison Forest School, Garrison, Md.

Tennessee

Chattanooga—Mrs. Glenn R. Kleinau, *President of the Chattanooga-Sewanee Bryn Mawr Club,* 2006 McCallie Avenue.

Nashville—Miss Martha J. Lindsey, *President of the Nashville Bryn Mawr Club,* 201 24th Avenue, South.

Texas

Baytown A—Miss L. Linn Killough, *District Councillor of the Alumnæ Association and Regional Scholarships Chairman for District VI,* 515 Finley Street.

Utah

Salt Lake City—Mrs. Philip B. Price, 1266 4th Avenue.

Vermont

Plainfield—Mrs. Harold E. Townsend, "Allenwood," Plainfield.

Virginia

Alexandria—Mrs. Alexander C. Zabriskie, *State Chairman of the Alumnæ Association,* Seminary Hill.

Richmond—Miss Mary W. Scott, *President of the Bryn Mawr Club of Richmond,* 6420 Roselawn Road.

Mrs. William N. Beverley, *Regional Scholarships Chairman for District III,* 1831 Monument Avenue.

Washington

Seattle—Mrs. Merritt P. Starr, *President of the Bryn Mawr Club of Seattle,* 3050 84th Street, S. E., Mercer Island.

Mrs. Donald T. Hall, *District Councillor of the Alumnæ Association and Regional Scholarships Chairman for Washington,* 315 Erie Avenue.

Wisconsin

Madison—Mrs. Moses S. Slaughter, 633 North Francis Street.

England

Mrs. James A. Cochrane, 107 Beaufort Street, London, S.W. 3.

ADMISSION

Bryn Mawr College is interested in candidates of varied interests and talents who come from a wide range of schools and regions in the United States and abroad. The essentials for admission are character and ability, the desire for a liberal education, and sound training in school.

In its consideration of candidates the College looks for evidence of ability in the student's high school record, her rank in class, and her College Board tests and asks her high school principal for an estimate of her character, maturity, and readiness for college. The Director of Admissions welcomes correspondence and interviews with candidates, their parents, and school advisers. The College reserves the right in all cases to determine which candidates shall be admitted.

Program of Secondary School Studies

Candidates are expected to complete a four-year secondary school course which includes work in English, foreign languages, mathematics, history, and science. The first three of these subjects should be carried through most of the school course.

The best foundation for the work of the College is a program of four years of English grammar, composition, and literature, two and a half or three years of mathematics, including Plane Geometry, Elementary and Intermediate Algebra, and in languages three years of Latin (or two of Greek), and three of a modern foreign language. At least one course in history and one in science (Biology, Chemistry, or Physics) should also be included. Further work in the subjects already mentioned or a year's work in History of Art, History of Music, or Biblical Literature should make a recommended total of 16 credits.

The College recognizes the wide differences among the curricula of different schools and the consequent variations among students' programs. Candidates of ability whose plans of study differ from those suggested will always be given careful consideration provided their programs show continuity in the study of basic subjects. Candidates are advised to read the section on requirements for the degree of Bachelor of Arts at Bryn Mawr.

Application for Admission

Application forms may be obtained from the Director of Admissions, Bryn Mawr College, Bryn Mawr, Penna. A fee of $10.00 must accompany each application and is not refunded if the candidate later withdraws her name or is not admitted. Application does not insure admission. Students are urged to register for admission early in their high school course so that their programs may be approved and their names added to the College mailing list. Admitted candidates are assigned rooms in order of date of registration.

ENTRANCE TESTS

The Scholastic Aptitude Test and three Achievement Tests of the College Entrance Examination Board are required of all candidates. Candidates are advised to offer all tests in March of the senior year in secondary school, but may if they prefer take the Scholastic Aptitude Test in January of that year.

The Scholastic Aptitude Test (3 hours) contains a Verbal and a Mathematical Section.

The Achievement Tests (one hour each) are thirteen in number: English, Latin, French, German, Greek, Italian, Spanish, Biology, Chemistry, Physics, Social Studies, Intermediate Mathematics, and Advanced Mathematics. Bryn Mawr candidates should take three Achievement Tests: English, a foreign language; and either Social Studies, one of the sciences, or Mathematics.

The Scholastic Aptitude and Achievement Tests are to be taken without special preparation. They are so constructed that ample opportunity is allowed for candidates to secure good scores on the basis of work well done during the school year.

APPLICATION FOR THE COLLEGE ENTRANCE EXAMINATION BOARD TESTS

The College Entrance Examination Board tests are given in principal cities throughout the United States and abroad. Students are responsible for registering with the Board. Candidates living in states from Montana to New Mexico and west should send inquiries to: *College Entrance Examination Board, P.O. Box 9896, Los Feliz Station, Los Angeles 27, California.* Candidates living in other states should write to: *College Entrance Examination Board, P.O. Box 592, Princeton, New Jersey.*

When writing to the Board for application forms, candidates should state the month in which they intend to take the tests. Applications for any particular series of tests will not be available until after the preceding series is held. A copy of the Bulletin of Information is sent to every candidate requesting an application blank.

There is a fee of twelve dollars for registration for both the Scholastic Aptitude Test and the Achievement Tests, of six dollars for the Scholastic Aptitude Test alone, and of eight dollars for the Achievement Tests alone. This fee must accompany each application and may be remitted by postal or express money order or by check. Late applications will be subject to a penalty fee of three dollars in addition to the regular fee. Under no circumstances will an application be accepted if it is received at the Board office later than one week prior to the date of the examination.

All applications and fees should reach the office of the Board not later than the dates specified below:

Date of Tests	*For examination centers located*	
	In the United States, Canada, the Canal Zone, Hawaii, Mexico, or the West Indies	Outside the United States, Canada, the Canal Zone, Hawaii, Mexico or the West Indies
January 12, 1952	December 22	November 24
March 15, 1952	February 23	January 26

ADMISSION OF TRANSFER STUDENTS AND OF FOREIGN STUDENTS

Students are admitted each year on transfer from American and foreign colleges and universities approved by the College. To be admitted on transfer a student must have had an excellent school record and grades of A and B in her college courses. In addition to her school and college transcripts she must send in (1) a letter of recommendation from an officer of the college; (2) a current catalogue in which she has marked the courses taken. Candidates for advanced standing who have previously taken the Scholastic Aptitude and Achievement Tests of the College Entrance Examination Board should request the Board to send a report of these tests to the Office of Admissions, Bryn Mawr College. Transfer candidates who have not previously taken these tests are advised to take the College Transfer Test, which will be offered by the Board at centers throughout the nation. Information concerning this test and applications to take it may be obtained from the *Educational Testing Service, P.O. Box 592, Princeton, New Jersey,* or *P.O. Box 9896, Los Feliz Station, Los Angeles 27, California.* Foreign students may substitute for the College Board tests evidence that they have been admitted to universities in their own countries. Those for whom English is not the native language must in addition present credentials attesting their proficiency in English.

No credit will be given for work done elsewhere until the student has successfully completed a year's work at Bryn Mawr. To qualify for the A.B. degree transfer students must have studied at Bryn Mawr for at least two years. Students of other colleges or universities who have outstanding conditions, who have otherwise failed to meet the prescribed standards of academic work, or who have been put on probation or suspended or excluded, will under no circumstances be admitted to Bryn Mawr College.

"HEARERS"

Women over twenty-five years of age are admitted as "hearers" to undergraduate courses without a matriculation examination, after furnishing proof that they have at some time pursued the

studies required for matriculation. Hearers are clearly differentiated from regularly matriculated students and must obtain permission from each instructor to attend classes, laboratories, and examinations. They are not eligible for degrees and may receive only such certificates of collegiate study as their instructors see fit to give. They are charged the full tuition fee. No other special students are admitted to undergraduate courses at Bryn Mawr College.

RESIDENCE AND EXPENSES

Residence

Halls of Residence. There are nine undergraduate halls of residence: Denbigh Hall, Merion Hall, Pembroke Hall East and West, James E. Rhoads Hall North and South, Rockefeller Hall, Wyndham, and Radnor Hall. A resident warden is in charge of each hall. Each hall has its separate kitchen and dining-room except Pembroke and Rhoads, each of which has a common kitchen and dining-room for the two wings. Each room is furnished with a bed, bureau, table-desk, straight chair, desk chair, and bookcase, but students supply their own rugs, curtains, and towels.

Language Houses. There are three "language houses," in which students get practice in spoken French, German, and Spanish: the French House, with accommodations for eighteen students, occupies Wyndham; the German House and the Spanish House usually occupy a floor of one of the larger dormitories. Each house has its dining-room or alcove where breakfast and dinner are served; but lunch is provided in the larger halls of residence with the other students. Students living in these houses are under the supervision of the French, German and Spanish departments respectively, and applications to live in the houses must be approved by the department concerned. For residence in the language houses there is an additional charge of $50.

Application for Residence. A student in residence, who wishes to apply for a room for the following year, must make an application for a room and accompany it with an application fee of $10. This fee will be credited against the residence charge if the room assigned is occupied by the applicant; it will not be refunded in any circumstances. Each student enrolled for the following year must make an additional deposit of $40 not later than June first. This deposit will also be credited against the residence charge. It will be returned if the student withdraws from College before July first; it will not be returned if she withdraws later than July first.

New students applying for residence will be billed $50 early in the summer. This $50 will be credited against the residence charge, but it will not be returned in case of withdrawal after July first.

An applicant who, after having reserved a room, fails to cancel her reservation by September first (even though she does not occupy the room at all or vacates it during the college year) prevents some other student from obtaining accommodation and consequently admission to the College. Therefore, unless formal notice of withdrawal of application for the ensuing academic year is received by the Dean of the College by September first, the applicant is responsible for the residence charge (based upon the room assigned to

her) for the whole year, or if a definite room assignment has not been made, the applicant is responsible for the minimum residence charge of $800; subject to an allowance for the cost of food if absent for more than six consecutive weeks, and a further allowance if the College re-rents the room to a student not previously resident. The applicant is not entitled to dispose of the room that she leaves vacant.

Non-Resident Students. For students living with their families in Philadelphia and the vicinity there are club-rooms in Goodhart Hall and in the Library, and such students have the use of the large Common Room in Goodhart Hall. Non-resident students are liable in whole or in part for all undergraduate fees except those for residence in the halls. The non-resident infirmary fee of $5 entitles them to medical examination and consultation with the College Physician.

EXPENSES: TUITION AND RESIDENCE

Tuition. The tuition fee for all undergraduate students, resident and non-resident, and for hearers is $650 a year. This fee is payable on receipt of bill in October. No reduction or refund of the tuition fee can be made on account of absence, illness, dismissal, or for any other reason.

The average cost of teaching each undergraduate student is over $1000 a year. The difference must be met from the endowment funds of the College and from private gifts. Voluntary contributions from parents able and willing to pay the additional sum or part of it, will be used for scholarships for students unable to pay the regular tuition fee.

Residence. The charge for residence is $800, $900, or $1000 according to the size and location of the student's room or rooms. The residence fees are payable as follows:

$800	— payable	$500	in October,	$300	in February
900	— payable	600	in October,	300	in February
1000	— payable	700	in October,	300	in February

The College makes every attempt to keep the residence charge low. The present rates are possible only because students assume the responsibility for keeping their rooms clean and orderly, thus permitting a reduction in service.

Reduction of Charges for Absence from College. In case of illness or withdrawal from the College for a period of six consecutive weeks or longer there will be a reduction in the charge for residence (representing the reduced expense to the College for food), provided written notice is given to the Dean of the College and the Comptroller at the time of withdrawal, or, in the case of illness at home, as soon as possible. Verbal notice to wardens or instructors is not sufficient to secure this reduction.

Residence during Vacations. A student who wishes to remain at the College during the Christmas and spring vacations should apply to the warden of her hall for information in regard to rooms and rates. During the Christmas vacation the halls of residence are closed but individual students may make arrangements for accommodations near the college campus; these arrangements are subject to the approval of the College. During the spring vacation one hall of residence is kept open and undergraduate students may occupy rooms in it at a fixed rate. Students remaining during any part of the spring vacation in Bryn Mawr, or in the immediate neighborhood, not in their own homes, are required to take advantage of the arrangements made by the College and will be charged according to the length of the stay. A student not going to her own home must submit her plan to the Dean for approval and register her address with her warden.

Summary of Major Expenses:

For resident students, tuition and residence: $1450, $1550, or $1650 according to the type of accommodation.

For non-resident students, tuition: $650.

MINOR FEES AND CHARGES

Infirmary fee:

For non-resident students $5.00

Laboratory courses (or, in geology, field work): for materials and apparatus:

One course of less than 4 hours a week.....	$ 7.50	a semester
One course of 4 or more hours a week.....	15.00	
Two courses of 4 or more hours a week.....	25.00	
Three courses of 4 or more hours a week...	30.00	
Residence in a language house.....	50.00	a year
Graduation fee (payable in the senior year)...	20.00	
Health Insurance (Students' Reimbursement Plan), optional	15.00	a year

Bills will be rendered by the Comptroller within the first few days of each semester. Students whose fees and charges are not paid before November first in the first semester and before March first in the second are not permitted to continue in residence or in attendance on their classes.

THE TUITION PLAN

Since some parents prefer to pay tuition and other college fees in equal monthly instalments during the college year, the College offers this convenience under "The Tuition Plan, Inc., New York City." The cost is four per cent greater than when payment is made in cash. If the plan of payment in equal monthly instalments is preferred, notification should be sent to the Comptroller of the College by September fifteenth. The Tuition Plan contract accompanied by the College bill will be forwarded by the Tuition Plan to parent or guardian between October first and fifteenth.

GENERAL REGULATIONS

Residence in the college buildings is required of all undergraduate students except those who live with their families in Philadelphia or the vicinity. A student planning to marry while in college must consult the Dean before the marriage takes place if she wishes to remain in college.

Every student must register with the Comptroller at the beginning of each college year. This regulation must be complied with before 8.45 A.M. of the first day of classes.

Freshmen are asked to come into residence approximately four days before the College is opened to all upperclassmen. They are received by the wardens of the various halls and by a committee of upperclassmen. The President and the Dean of the College wish to interview new students during these first few days. The Dean of Freshmen must see all freshmen in the course of these four days to advise them on their registration. During this time also the new students visit the library, take placement tests and physical examination, and become acquainted with the College.

The Dean of the College is academic adviser to all undergraduates of the three upper classes. Upperclassmen will also consult with the heads of the departments in which they elect to do their major work. Students are urged to plan their work with reference to the schedule of classes and laboratories in order to avoid any conflict of hours which might prevent them from electing courses that they need.

The Students' Association for Self-Government, of which all undergraduates are members, has jurisdiction over the conduct of the students in all matters except those which are academic or which affect living arrangements.

The College reserves the right to exclude at any time any student whose conduct or academic work is unsatisfactory. In such cases the fees due or already paid to the College will be neither refunded nor remitted in whole or in part.

Integrity of all work is demanded of every student. In an examination or quiz no student shall hold any communication with another student or give or receive any assistance. Printed rules governing written work are handed to all entering students; a signed certificate that they have read and understood them is required. Any infraction of these rules or any action contrary to their spirit constitutes an offense.

Regular attendance at classes is expected. Responsibility for attendance is solely the student's, and failure to meet the requirements may be taken into account in grading the student's work.

A Student Cut Committee is responsible for taking attendance and keeping attendance records. Copies of all individual cut records are sent to the Dean's Office regularly, and records of cuts taken are

posted twice every month in the residence halls for the information of students and to afford them the opportunity to report errors. Cut records for each class are sent to the instructor.

A student who fails to attend a course regularly will be warned in writing by the Dean. If she continues to cut after the warning, she will be dropped from the course and reported to the Senate. A student who is dropped from two courses will be suspended from College, by rules of the Senate, for the remainder of the semester.

No specific number of unexcused absences constitutes overcutting. When the quality of a student's work is affected in any way by absence from class, she is overcutting and will be warned. Each student must be the judge of her own situation. She must understand that the system is based on the assumption that she is expected to meet all academic appointments.

Absences for health or other urgent reasons are excused, but any work missed must be made up. After a brief absence the student should consult her instructor about making up any work so missed. After a prolonged absence the Dean must be consulted as well as the instructor. If it seems probable to the Dean that a student's work may be seriously handicapped by the length of her absence, she may be required to drop one or more courses. In general, any student absent for more than twenty-five consecutive class days will be required to drop a course.

HEALTH

Every entering student is required to file at the office of the Director of Admissions, on a blank to be secured from the College, a report of a recent medical examination, filled out and signed by a physician.

The blank includes a space for a physician's certificate stating that the student has been vaccinated against smallpox during the year preceding her entrance to College and that she exhibited a typical or immune reaction to this vaccination. Students who do not certify to vaccination at entrance will be vaccinated at the time of the entrance physical examination. A fee of five dollars will be charged.

There is required on the medical examination blank a statement of immunization against tetanus by toxoid and of evidence of a negative Schick test. If these have not been done the student should arrange to have these immunizations completed before admission to College. A statement to that effect signed by the examining physician must be presented at the time of entrance. Failing this the entering student will be given the required injections at the time of her admission and charged accordingly.

Every student must file a certificate stating that her eyes have been examined by an ophthalmologist within six months before entrance and again before the beginning of her junior year. Failure to comply with the above rule entails an examination by one of the college consultants for which the student will be charged as a private patient by the ophthalmologist who makes the examination.

At the beginning of each year every student has a free chest X-ray done by the Bureau of Tuberculosis Control, State of Pennsylvania Department of Health, on a 70 mm. photofluorographic film. At times it is necessary to check these with a flat chest plate at the Bryn Mawr Hospital. These are charged for at the prevailing private patient rates of the X-ray Department of the hospital.

Every undergraduate is examined each year by the Physician of the College and at intervals by the Director of Physical Education with reference to physical development and general health. Exceptions are made for those sophomores whose health records for the whole previous year have been passed by the College Physician. At the time of the examination each junior will be given a booster injection of tetanus toxoid for which a nominal fee will be charged. All students are urged to take some out-of-door exercise in addition to their required work in Physical Education. Any student who at the time of the examination or at any time during the year is not in good health is placed on the health supervision list. She is required to follow the special regime prescribed and her extracurricular activities may be limited.

The College Physician is in her office in the college infirmary daily and may be consulted by the students without charge. Specialists practising in Bryn Mawr and Philadelphia serve as consulting physicians to the College. The fees of the consulting physicians and surgeons and other specialists recommended by the College will be furnished on request. The infirmary is open when college is in session and during the spring vacation. It is closed during the Christmas vacation.

The residence fee paid by each resident student entitles her to free consultation with the college physicians and to treatment in the college dispensary. It also entitles her to be cared for in the infirmary for seven days (not necessarily consecutive) during the year and to attendance by the college physicians during this time and to nursing, provided her illness is not contagious and is not sufficiently serious to require the services of a special nurse. The fee for each day in the infirmary after the seven-day period is six dollars. In case of contagious disease the student must meet or share the expense of special nursing.

All communications from parents and guardians, outside physicians and others, concerning the health of students, should be addressed to the Dean of the College or the College Physician. Any student who becomes ill when absent from the College is asked to notify the Dean of the College immediately and to present a signed statement from her physician when she returns.

A student who wishes to consult an outside physician while in residence must do so through the Infirmary. Any student who leaves the campus for reasons of health must notify the Infirmary before she leaves.

The College reserves the right, if the parents or guardians cannot be reached, to make decisions concerning operations or other matters of health.

The College has arranged with the Connecticut General Life Insurance Company of Hartford, Connecticut, for health insurance, known as the Students' Reimbursement Plan. To the students who subscribe under this plan individual policies are issued which provide for reimbursement, within specified limits, for the medical, surgical, and hospitalization expenses in cases of operation and prolonged illness. The cost of such a policy is fifteen dollars a year and includes protection during all vacations.

THE LIBRARY

The M. Carey Thomas Library now contains over 225,000 volumes. The collection supplies most of the needs of the faculty and students and includes material in the science libraries in Park Hall and Dalton Hall as well as the small collection of books in the halls of residence and in the infirmary.

The open shelf system provides the maximum of free access to the stacks so that almost all books except those in the Rare Book Room are directly available to students.

In the library building there are fourteen seminary rooms for graduate students, a large Reading Room with individual desks for 138 students, a Reference Room, Periodical Room, Reserve Book Room, and the Quita Woodward Memorial Room with over 2000 volumes of the works of standard authors and contemporary writers arranged for leisure-time reading.

The West Wing of the library, built in 1940, provides shelf space for about one-third of the book collection. Forty-eight carrels are provided in these stacks for graduate and honors students.

About 1,000 periodicals are currently received and the college library is a depository for the Army Map Service of the United States Army. Over 25,000 maps in duplicate are available in Park Hall.

In the main catalogue author cards for books in the collection of nearby Haverford College are filed, facilitating the use of the books in its library. Catalogue cards representing the authors of books pertaining to Russia and certain significant subjects collateral to study of that country are filed for Swarthmore College as well as for Haverford.

The Library is open for study from 8 A.M. until 10 P.M. every day of the week and on Sunday the Reserve Book Room is open from 9 A.M. until 10 P.M. and the stacks from 2 P.M. until 10 P.M.

The libraries in Philadelphia are generous in making their large resources available to students for reference use. The Philadelphia Bibliographical Centre and Union Library Catalogue located at the University of Pennsylvania make it possible to locate easily the material available in approximately one hundred and sixty libraries in the Philadelphia metropolitan area.

CURRICULUM

Major courses of study are offered in Biology, Chemistry, Classical Archæology, Economics, English, French, Geology, German, Greek, History, History of Art, Italian, Latin, Mathematics, Philosophy, Physics, Political Science, Psychology, Russian, Sociology and Anthropology, and Spanish. Elective courses are offered in Education, the History of Religion, and Music, as well as in the major departments.

Every candidate for the degree of Bachelor of Arts chooses in the spring of her sophomore year a major subject of study. This is combined with work in allied subjects. The object of this system is to give to the student the thorough training in method and the familiarity with the literature of a subject which constitute the necessary foundation for work of an advanced character. The discipline thus provided by continuity of training is an advantage in any field of activity, and for the student who intends to pursue graduate study and research in her chosen field the groundwork is laid.

Candidates for the degree must include in their programs certain courses considered important for a liberal education and required of everyone: Freshman English Composition, the History of Philosophic Thought, one course in one of the sciences, and one course in literature. Candidates who are members of the class of 1953 or following classes must also include one course from the following group: Economics, History, Political Science, or Sociology and Anthropology.

Fourteen and one-half courses comprise the undergraduate curriculum. (For definition of course, see p. 42.) For the first three years the usual course load is four, or in special cases four and one-half courses. During the senior year, two and a half or three courses are usually taken, together with the unit of work done in preparation for the final examinations.

Preparation for a Final Examination in the major field requires the student to review and correlate the material covered in her major and allied courses, and to carry on independent reading selected to round out her knowledge of her field as a whole, thus giving her a deeper insight into fundamental principles and general concepts. In part of the examination emphasis is laid upon a broad general knowledge of the subject. The student is expected to devote approximately ten hours a week for one year to the preparation for this examination. Most of this preparation is done in the senior year but part may be done, on the advice of the department, during the preceding summer or in the junior year. One-third of this preparation may be devoted to an allied subject and one part of the examination may be set by an allied department.

Honors work is of a more advanced character than that done in the regular courses and requires greater initiative and power of organization than is usually expected of undergraduate students. No student may elect to work for honors without the recommendation of her department and the approval of the Dean. Reports giving to the student an opportunity to test her ability in the selection and interpretation of source-material are usually required. These special studies may be carried on in connection with an advanced course or they may be planned for individual students. Such work may be undertaken only after the completion of two years of study in the major subject.

Students who have completed the major courses of study in Biology or in Chemistry fulfill the subject requirements for admission to the leading medical schools of the United States. The minimal premedical requirements are met by completing the following courses: Biology 101, Biology 201, Chemistry 101, Chemistry 202, Mathematics 101, Physics 101. Additional work in Biology and Chemistry is recommended, and can be obtained by completing the major subject requirements in either department with allied work in the one not chosen as the major.

The Plan for Co-ordination in the Teaching of the Sciences offers special training in subjects which fall between two sciences. A gift from the Carnegie Corporation enables the College to award scholarships to qualified students in such fields as biophysics, geophysics, and geochemistry. As such work demands a thorough knowledge of the fundamentals of at least two sciences, it is often impossible for students to include all the desired courses in four undergraduate years; these scholarships are intended primarily to provide for an additional year (mainly in the Undergraduate School) so that the student may be ready, at the end of five years, to begin graduate work in her chosen correlated fields. Students entering Bryn Mawr who wish to work in science should consider the advantages of this plan and should consult with the heads of the departments in which their special interests lie as early in their college career as possible. In addition to the sum allotted to scholarships part of the annual income from the Carnegie fund is set aside for special courses in related subjects. These courses vary from year to year with the needs and interests of the students in science.

REQUIREMENTS FOR THE DEGREE OF BACHELOR OF ARTS

Every candidate for the degree of Bachelor of Arts, unless she is a transfer student or is permitted to accelerate her program must attend Bryn Mawr College for a period of four years. Students admitted on transfer from other colleges must study at Bryn Mawr for at least two years. The minimum number of courses for the A.B. degree is fourteen and one-half. A course is normally one-quarter of a student's working time for one year, or approximately ten hours of work a week, including class meetings. When it is necessary to express *courses* in terms of *semester hours,* one course is considered equivalent to eight semester hours. Numerical grades on the scale of 100 are given in all courses counting for the degree. The student must attain a grade of 70 or above in at least half of these courses and a grade of at least 60 in the remainder. In the courses in her major subject she must maintain an average of at least 70, and should she receive a grade below 70 in a Second Year or Advanced course in her major subject she may be required to change her major.

Students who are members of the class of 1952 must meet the requirements of curriculum Plan I. Students who are members of the class of 1953 and all following classes must meet the requirements of curriculum Plan II.

Plan I

For the Class of 1952

Required Courses:

(1) *English Composition.* This course is supplemented by work in English Speech, consisting of practice speaking and individual conferences which must be completed before the end of the Sophomore year.

(2) *Literature.* English, Greek, Latin, or the English Bible. A student majoring in Greek must take a course in Latin or English approved by the Department of Greek. A student majoring in Latin must take a course in Greek or English approved by the Department of Latin. A student majoring in English must take a course in Greek or Latin approved by the Department of English.

(3) *Science.* Biology, Chemistry, Geology, or Physics. A student majoring in one of the sciences must substitute for this requirement a course in Archæology, History, History of Art, Economics, Music, Political Science, or Psychology.

(4) *Philosophy.* The History of Philosophic Thought. A student majoring in Philosophy must substitute for this requirement a course in Elementary Greek, Psychology or Mathematics.

Plan II

For the Class of 1953 and Following

Required Courses:

(1) *English Composition.* This course is supplemented by work in English Speech, consisting of practice speaking and individual conferences which must be completed before the end of the Sophomore year.

(2) *Literature.* English, Greek, Latin, or the English Bible.

(3) *Science.* Biology, Chemistry, Geology, or Physics.

(4) *Philosophy.* The History of Philosophic Thought.

(5) *Social Science.* Economics, History, Political Science, or Sociology and Anthropology.

Requirements for Students Following both Plan I and Plan II

Major Subject and Allied Subjects: This consists of six courses and preparation for a final examination. A student must take at least three courses in her major subject (many departments require four): one First Year course; one or two Second Year courses; one Advanced course. She must take enough courses in allied subjects to bring the total to six. *A Final Examination in the Major Field* must be taken by all candidates for the degree.

Free Elective Courses: Approximately four courses are chosen freely by the student, the only limitations being the prerequisites of the courses selected.

Physical Education: During the first two years in college all students are required to take part in work organized by the Department of Physical Education. No student will be allowed to register for junior year who has not completed the requirement. Special exception may be granted by the Dean of the College in cases of prolonged illness or for transfer students.

Hygiene: All freshmen are required to attend a Hygiene discussion group and to take an examination based upon reading assigned by the College Physician and the Consulting Psychiatrist. Transfer students who have passed a Hygiene examination elsewhere should consult the Dean of the College. Students will not be allowed to register for the senior year unless they have satisfactorily passed the examination in Hygiene. This work does not count as any fraction of the total number of courses required for the degree.

Reading Knowledge of Two Foreign Languages: Students following Plan I are generally advised to offer French and German since a knowledge of these languages is useful in the work of all departments; but for French or German (not both) a student may substitute Spanish, Italian, Russian, or some other European

language if her choice is approved by the department in which she does her major work. Students following Plan II must offer for examination two languages which do not come from the same linguistic group. Exceptions may be made by the Dean on the recommendation of the major department.

Language examinations may be taken in any autumn or spring after entrance, up to the beginning of the senior year. No student may take a second examination in the same language in the same academic year unless she satisfies the Dean of the College and the Chairman of the Language Examination Committee that she has made a serious effort to prepare for it. A senior who fails either examination or is conditioned in both in the autumn will not receive her degree the following June. If having passed one examination she is conditioned in the other, she may take a second examination in January. Credit towards the degree is not given to seniors for any course taken in preparation for this examination.

The Degree of Bachelor of Arts is conferred upon students who have completed the courses of study outlined above. The degree is awarded *cum laude, magna cum laude,* and *summa cum laude* to students whose numerical average grade on all their courses is, respectively, 80-84, 85-89, and 90 or above. To students who have completed honors work in their major subject the degree is awarded with honors in that subject. Beginning with the Class of 1953, the minimum average for Distinction is 82 rather than 80 which has been the minimum to this time.

CREDIT FOR WORK TAKEN ELSEWHERE

Advanced Standing. In order to free more time for studies of a more advanced character, students are permitted to take examinations in certain subjects without attending classes in college. These subjects are elementary Greek, French, German, Italian, Spanish, and Russian. Examinations for advanced standing must be taken not later than the beginning of the junior year unless the student's major department recommends a later date. Students wishing to take examinations for advanced standing in subjects other than those listed above must present requests to the Dean of the College who will consult with the Committee on the Curriculum and with the departments concerned.

Co-operation with Neighboring Institutions. Bryn Mawr College co-operates with the University of Pennsylvania, Haverford College, and Swarthmore College in a plan which, while preserving the individual qualities and complete autonomy of each institution, provides an efficient and economical service by co-ordinating the facilities of the four institutions. Full time students of any of the four may, with the approval of the Dean, take courses at any of the other three without additional expense. Full academic credit is granted for such work by the institution in which the student is enrolled.

Summer School Work. Students desirous of supplementing their work at Bryn Mawr by taking courses in summer school are encouraged to do so. No credit will ever be given for work in which the student has received a grade below C. Students will not, however, obtain academic credit at Bryn Mawr for work done in summer school except for the following reasons: 1, if the credit is needed for the Bryn Mawr A.B. degree (e.g., to make up credit lost through illness or absence from college); 2, if the course taken is one which is recommended by the major department as a part of the plan of major work. A student who needs to secure credit for work to be done in summer school should first consult the Dean and secure her preliminary written approval of the plan, after which the plan must be approved in detail by the department or departments concerned. Credit given for such work will be calculated on an hour-for-hour basis.

COURSES OF STUDY

1951-1952

Credit is generally given in full-year courses only when the work of both semesters is completed. In certain courses, however, credit may be given for one semester's work, but only with the permission of the Dean of the College and the department concerned. A few courses carry additional credit, indicated by the number "1½". Pre-requisites in other departments than the major course of study are indicated in the description of the individual courses.

KEY TO COURSE NUMBERS AND SYMBOLS

1, 2, etc. elementary courses and required courses which are not part of the major work.
101, 102, etc. indicate first year courses in major work.
201, 202, etc. indicate second year courses in major work.
301, 302, etc. indicate advanced courses in major work.
* indicates elective courses, numbered in accordance with the year in which they are generally taken, e.g. 201*.
"a" the letter "a", following a number, indicates a half-course given in the first semester.
"b" the letter "b", following a number, indicates a half-course given in the second semester.
"c" the letter "c", following a number, indicates a half-course given two hours a week throughout the year.
[] Square brackets enclosing the titles of courses indicate that, though regular parts of the program, they are not given in the current year.

Biology

PROFESSOR:	MARY SUMMERFIELD GARDINER, Ph.D.
ASSOCIATE PROFESSORS:	L. JOE BERRY, Ph.D.
	JANE MARION OPPENHEIMER, Ph.D.
ASSISTANT PROFESSOR:	FRANK S. PARKER, Ph.D.
DEMONSTRATORS:	JOAN FULTON WHITE, A.B.
	ANNA RUTH BRUMMETT, M.A.
	RYDA DWARYS ROSE, A.B.

Students majoring in Biology are required to take the first year course, both second year courses, and one advanced course; and, as allied subjects, General Chemistry and Elementary Organic Chemistry. The following courses are strongly recommended and are required for admission to most medical schools: Physics 101, Math-

ematics 101, and Chemistry 201. The course in Botany at Haverford College is open to Bryn Mawr students who have had Biology 101, and may be counted as elective work.

Allied subjects: Chemistry, Physics, and certain others with the approval of the department.

101. *General Biology:* Dr. Gardiner and Dr. Oppenheimer.
An introduction to biological problems and theories through a study of typical plants and animals. About one fifth of the year is spent on the embryology of the frog and the chick. Three lectures, four hours laboratory a week.

201. *Comparative Zoology:* Dr. Gardiner and Dr. Oppenheimer.
A study of the comparative anatomy of invertebrates and vertebrates. Three lectures, four hours laboratory a week.

202. *General Physiology:* Dr. Berry and Dr. Parker.
A comprehensive survey of general and vertebrate physiology. Three lectures, five hours laboratory a week. Prerequisites: Chemistry 101, Chemistry 202 (This may be taken concurrently).

[301. *Microscopic Anatomy:* Dr. Gardiner.]

302. *Theories of Heredity:* Dr. Gardiner.
Two lectures, six hours (minimum) laboratory a week.

[303. *Embryology:* Dr. Oppenheimer.]
Embryology of the vertebrates with consideration of theoretical questions of embryological interest. Two lectures, six hours (minimum) laboratory a week.

[304. *Physiology of Micro-organisms:* Dr. Berry and Dr. Parker.]

305. *Biochemistry:* Dr. Parker.
The chemistry of living organisms with special emphasis on the chemical principles in physiological phenomena. Two lectures, six hours (minimum) laboratory a week. Physics 101 is recommended as preparation for this course.

306. *Biophysics:* Dr. Berry.

307. *The Development of Scientific Thought:* Dr. Wyckoff, Dr. Oppenheimer.
(Interdepartmental Course 203. See page 82.)

308. *Fundamentals of Systematics.*
Offered at the Academy of Natural Sciences. One hour of lecture; four hours laboratory a week (Saturday mornings). A survey of the scope and methods of taxonomy, with a consideration of the mechanisms of speciation.

FINAL EXAMINATION

The final examination for students majoring in biology is in three parts:

1. General Biology (required of all students).
2. Two examinations offered from the following group (except in the case of Honors students as provided for in the General Plan):

a. Microscopic Anatomy
b. Embryology
c. Genetics
d. Physiology of Micro-organisms
e. Physiology
 Biochemistry
 Introductory Biophysics
f. History of Biology

3. As an alternate, the student may substitute for one of the subjects under Group 2 an examination in Chemistry or Physics covering at least two years of work in the subject.

HONORS WORK

Honors work in any of the advanced fields is offered to qualified students.

Chemistry

ASSOCIATE PROFESSOR:	ERNST BERLINER, Ph.D.
ASSISTANT PROFESSORS:	EDITH HAMILTON LANMAN, M.A.
	GEORGE L. ZIMMERMAN, Ph.D.
INSTRUCTOR:	FRANCES BONDHUS BERLINER, Ph.D.
DEMONSTRATORS:	EDITH H. WINICOV, A.B.
	BERNICE NEWMAN, A.B.

Students majoring in Chemistry are required to take the first year course, both second year courses, and one advanced course. One year of Physics, Mathematics 101a and 101b and a reading knowledge of German and of French or Russian are also required.

Allied subjects: Biology, Geology, Mathematics, Physics.

101a. *Introduction to General Chemistry:* Miss Lanman, Dr. F. B. Berliner and demonstrators.

The work does not presuppose any knowledge of chemistry. Students who have had chemistry in school are given special laboratory work. Three lectures, four hours laboratory a week.

101b. *Qualitative Analysis and the Chemistry of the Metals:* Dr. E. Berliner, Miss Lanman and demonstrators.

The work does not presuppose any knowledge of chemistry. Students who have had chemistry in school are given special laboratory work. Three lectures, four hours laboratory a week.

201a. *Quantitative Analysis* (first semester): Miss Lanman.

Two lectures, eight hours laboratory a week.

201b. *Elementary Physical Chemistry* (second semester): Dr. Zimmerman.

Two lectures, five hours laboratory a week. Prerequisite: one year of school physics or the first semester of Physics 101.

202, *Organic Chemistry:* Dr. E. Berliner and Dr. F. B. Berliner.

Three lectures, five hours laboratory.

301. *Advanced Physical Chemistry:* Dr. Zimmerman.

First semester: elementary thermodynamics. Second semester: chemical kinetics. Two lectures, eight hours laboratory. Prerequisite: Mathematics 101. Credit 1½.

302. *Advanced Organic Chemistry:* Dr. E. Berliner and Dr. F. B. Berliner.

Lectures: theories and fundamental principles of organic chemistry. Laboratory: (first semester) organic qualitative analysis; (second semester) advanced synthesis and organic quantitative analysis. Two lectures, eight hours laboratory. Credit: 1½.

303. *Advanced Inorganic Analysis:* Miss Lanman.

One lecture, eight hours laboratory. By special arrangement this course may be taken for one and a half credits.

FINAL EXAMINATION

The final examination consists of three parts:

1. General Chemistry (required of all students).
2. At least *one* examination from the following group:
 a. Analytical Chemistry
 b. Organic Chemistry
 c. Physical Chemistry
3. If only one examination is offered from Group 2, one of the following must be offered:
 a. Laboratory examination
 b. An examination in an allied subject.

HONORS WORK

Honors work may be taken in conjunction with any of the advanced courses or after their completion.

Classical Archaeology

PROFESSOR: RHYS CARPENTER, Ph.D., Litt.D.
ASSISTANT PROFESSOR: MACHTELD JOHANNA MELLINK, Ph.D.
CURATOR OF SLIDES AND PHOTOGRAPHS: HENRIETTA HUFF LANDES, A.B.

ASSOCIATE PROFESSOR OF ANTHROPOLOGY: FREDERICA DE LAGUNA, Ph.D.

Students majoring in Classical Archæology are required to take the first year course, the second year courses 201a and 201b, and the advanced courses. Courses 202a, 202b, and 203 are electives.

Allied subjects: Anthropology, Greek, Ancient History, History of Art, Latin.

101. *Ancient Sculpture:* Dr. Carpenter.

201a. *Egyptian and Mesopotamian Archæology:* Dr. Mellink.

201b. *Aegean Archæology:* Dr. Mellink.

202a.* *Ancient Italy:* Dr. Carpenter.

202b.* *Cultural Geography of the Mediterranean:* Dr. Carpenter.

204. *American Archæology:* Dr. de Laguna.

Prerequisites for this course are either Sociology and Anthropology 101 or Classical Archæology 101. Offered every other year: 1952-53.

301a. *Ancient Painting:* Dr. Mellink.

301b. *Ancient Architecture:* Dr. Carpenter and Dr. Mellink.

FINAL EXAMINATION

The final examination for students majoring in classical archæology consists of:

1. Three examinations chosen by the student from the following:
 a. Greek Sculpture
 b. Greek Vase-Painting
 c. Ancient Architecture
 d. Aegean Pre-history
 e. Egyptian and Mesopotamian Archæology
2. Alternate: In lieu of the third examination in archæology from Group 1 students who have completed by the end of their junior year two units in Greek, Latin, or History of Art, may offer a field of these allied subjects.

HONORS WORK

Honors work is offered by the department for students who have completed two years of work in the department with distinction.

The work is conducted by means of reports, reading assigned in various fields and discussion of topics.

1st Semester Courses.

Greek Sculpture: Dr. Carpenter.

Vase Painting: Dr. Mellink.

Preparation for the final examination for Honors in Classical Archæology.

2nd Semester Courses.

Aegean Archæology: Dr. Mellink.

Greek and Roman Architecture: Dr. Carpenter.

Preparation for the final examination for Honors in Classical Archæology through detailed problems in the reconstruction of classical buildings on excavated sites.

Economics

PROFESSOR:	MILDRED BENEDICT NORTHROP, Ph.D.
ASSOCIATE PROFESSOR:	JOSHUA C. HUBBARD, Ph.D.[1]
LECTURER:	MAXINE WOOLSTON, Ph.D.
INSTRUCTOR:	HELEN M. HUNTER, M.A.

Appointment to be announced

Students majoring in Economics are required to take the first year course, two full second year courses, and the advanced course. They are urged to take Mathematics 204 (Statistics), which will count as part of their allied work. They are normally expected to take some work in Political Science as an allied subject.

Allied subjects: Political Science, History, Philosophy, Psychology, Sociology and Anthropology, Mathematics. Particular attention is

[1] On sabbatical leave for the year 1951-52.

called to the following courses as of special interest to economics majors: Mathematics 204 (Statistics), Geology 305* (Geography), Interdepartmental Courses 201 (Soviet Political and Economic Development) and 301 (The Theory and Practice of Democracy).

101. *Introduction to Economics:* Dr. Northrop.
This course is designed to provide an understanding of the economic institutions and problems of American civilization in the middle of the twentieth century. The problems analyzed and discussed include: the public debt, unemployment, inflation, social security, international economic problems, the role of the United States in the world economy, and comparative economic organization.

201a. *Industrial Organization:* Dr. Woolston.
A study of the development of modern industrialism with particular reference to the development of the modern corporation; corporation finance and price policy; the decline of competition and problems of government regulation and control.

201b. *International Economics:* Dr. Northrop.
A study of international trade and international finance in theory and practice; the foreign economic policy of the United States; International Economic Organization; the impact of industrialism on underdeveloped nations.

202a. *Money and Banking:* Mrs. Hunter.
The function of money and banking in a credit economy; the history, organization and structure of the money and banking system of the United States; problems of the value of money.

202b. *Public Finance and Fiscal Policy:* Mrs. Hunter.
A study of local, State, and Federal revenues and expenditures with particular emphasis on the Federal budget; fiscal policy as a positive means of shaping public taxation and expenditure so as to contribute to a stable full employment economy.

203a. *The Labor Movement:* Dr. Woolston.
History of the American Labor Movement with emphasis upon the political and economic factors which have influenced its development and present characteristics; causes of labor disputes and methods for settlement.

203b. *Employer-Labor Relations:* Dr. Woolston.
Significance of collective bargaining; legal aspects; nature of the collective bargaining contract in various industries; wage determination; personnel policies and practices.

[204b. *Comparative Economic Systems:* Dr. Northrop.]

[205b. *Problems of Economic Change:* Dr. Hubbard.]

301a. *History of Economic Thought:* Dr. Northrop.
An analysis of economic thought in the 18th and 19th centuries as it developed against the background of social and political change. Readings, among others, in the works of Smith, Malthus, Ricardo, Mill, Marx, Jevons, and Marshall.

301b. *Contemporary Economic Thought:* Dr. Woolston.
An analysis of economic thought in the 20th century. The national income, the determination of prices, fluctuations in economic activity, the determinants in the level of income and employment.

FINAL EXAMINATION

The final examination for students majoring in Economics is in three parts:

1. An examination in general economic principles and problems.
2. An examination in Economic Theory.
3. An examination in one of the following:
 a. Money and Banking, including Fiscal Policy
 b. Industrial Organization
 c. International Economics
 d. The Business Cycle and Full Employment
 e. Labor Economics including Wages and Wage Theory.
 f. The History of Economic Thought.

With the permission of the major and allied departments, one of the papers may deal with an allied subject.

HONORS WORK

One unit of honors work may be taken by students recommended by the department.

Education

PRESIDENT OF THE COLLEGE:
KATHARINE ELIZABETH MCBRIDE, Ph.D., LL.D., L.H.D., Sc.D.

ASSOCIATE PROFESSOR:
RACHEL DUNAWAY COX, Ph.D.

PSYCHOLOGIST IN THE CHILD STUDY INSTITUTE:
CLARA MEYERS, M.A.

Instruction offered in Education is not organized on the scale of a regularly constituted department; there is no major work in the subject.

The Department of Education maintains the Child Study Institute under the direction of Dr. Cox with the assistance of James Delano, M.D., Consulting Psychiatrist, Mrs. Claire Ravacon, Social Case Worker and Miss Meyers, the Psychologist. This is a clinic supported jointly by the College and the Lower Merion Township Schools for work in the field of child development. Problems of learning and behavior are studied, psychological testing and remedial teaching are carried on. A program of counseling for children and their parents renders help in school and family adjustment. Advanced students participate in the work, and undergraduate and graduate students observe and carry on research projects in the twelve public schools of the Lower Merion Township.

Referrals also come to the Institute from the neurological and pediatric departments of the Bryn Mawr Hospital, from psychiatrists and from social agencies, giving opportunity for acquaintance with a diversity of clinical material.

A separate building on the college grounds houses the Institute, with rooms equipped for the individual examination of pupils, remedial teaching, play therapy, and student observation. Sound recording facilities are available for the study and improvement of counseling and testing techniques.

Courses 101b and 201a are accepted in partial fulfilment of State requirements for teachers.

101b.* *Principles of Education:* President McBride.

[201a.* *Educational Psychology:* President McBride and Dr. Cox.]
Prerequisite: Psychology 101.

202a.* *Child Psychology:* President McBride and Dr. Cox.
Prerequisite: Psychology 101.

English

PROFESSORS:	SAMUEL CLAGGETT CHEW, Ph.D., Litt.D. STEPHEN JOSEPH HERBEN, B.Litt., Ph.D. K. LAURENCE STAPLETON, A.B. ARTHUR COLBY SPRAGUE, Ph.D.[1]
ASSOCIATE PROFESSORS:	MARY KATHARINE WOODWORTH, Ph.D. FREDERICK WAKEFIELD THON, M.F.A. BETTINA LINN, M.A.
ASSISTANT PROFESSOR:	WARNER B. BERTHOFF, M.A.
INSTRUCTORS:	DEBORAH SANDS AUSTIN, M.A. ANNETTE M. MCCORMICK, Ph.D. SANDRA WOOL, M.A.

Appointments to be announced

PROFESSOR OF GREEK: RICHMOND LATTIMORE, Ph.D.

Students majoring in English must take English 101 unless they have obtained a grade of 80 or better in English 1 and have the recommendation of the department to enter a second year course. They must complete four second year and advanced courses in English Literature, of which at least one should be an advanced course. Students who wish to specialize in the field of Old and Middle English must take some courses in later periods, and those specializing in modern literature must take English 201 or, in exceptional cases, certain other courses approved by the department. Credit will not be given for a single semester's work in full-year courses unless the Dean of the College recommends, and the department approves, that an exception be made.

1 On sabbatical leave for the year 1951-52.

A student majoring in English is expected to take at least two courses in allied subjects: any other language or literature, History, History of Art, History of Religion, Music, and Philosophy. Students are advised to devote one unit of allied work to a course in Greek or Latin or Greek Literature in Translation.[1] Any second year or advanced writing course may be substituted for one unit of allied work.

WRITING AND SPEECH

1. *English Composition and Reading:* Dr. Woodworth, Miss Linn, Miss Austin, Dr. McCormick, Miss Wool, Mr. Berthoff, and instructors to be announced.

Practice in writing based upon the study of selected authors, with emphasis upon ideas and the problems of the writer in his time. The student will read fiction, poetry, and critical and argumentative prose in one of the following fields: (a) Literature of the twentieth century; (b) American Literature, 1840 to the present; (c) English Literature of the Renaissance. There will be weekly papers and discussions, and regular conferences with each student.

2. *English Speech:* Mr. Thon.

Training by means of voice-recordings, motion pictures, practice speaking, and individual conferences. This course carries no credit but must be taken by all freshmen and by transfer students who have not had a comparable course. It must be passed before the end of the Sophomore year.

209.* *Experimental Writing:* Miss Linn.

Practice in various forms of writing.

[209a.* *Prose Writing:* Miss Linn.]

Practice in various forms, excluding fiction and with emphasis on exposition and description.

[210a.* *Playwriting and Production:* Mr. Thon.]

Writing of an adaptation and an original one-act play; production of selected scripts.

[210b.* *Advanced Playwriting and Production:* Mr. Thon.]

Writing of a full-length play and preparation of its production book. Prerequisite: approval of the instructor.

[*Theatre Arts:* Mr. Thon.]

Laboratory instruction in theatre arts. (No credit.)

[211c.* *English Verse Composition:* Dr. Lattimore.]

Original verse composition, with a study of the principles of form.

306 and 306c.* *Advanced Writing:* Instructor to be announced. Prerequisite: English 209.

LANGUAGE

211b.* *History of the English Language:* Dr. Herben.

[1] Students of the class of 1952 must offer one of these courses for the required work in Literature.

LITERATURE

101. *Survey of English Literature:* Dr. Herben.
From the beginnings to the middle of the Eighteenth Century.
Literary History of the Bible: Dr. Chew.
See History of Religion 103, page 66.

201. *English Literature of the Middle Ages:* Dr. Herben.
The emphasis is upon Chaucer and his contemporaries. Sufficient instruction is given in Middle English to enable the student to read ordinary texts.

[202. *Shakespeare:* Dr. Sprague.]
All the plays are read and two or three studied in detail.

203. *The Romantic Period:* Dr. Chew.
Attention is centered upon the poets.

[204. *The Victorian Period:* Dr. Chew.]

[205. *Representative English Novelists:* Miss Linn.]
Prerequisite: The reading of two novels by each of the following: Charlotte Brontë, Dickens, Thackeray, George Eliot, Meredith.

[206a. *English Drama from the Restoration to Robertson:* Dr. Sprague.]

[206b. *Modern English Drama:* Dr. Sprague.]
The drama from 1865 to the present day.

207. *English and American Literature of the Last Half-Century:* Dr. Woodworth.
Attention is paid to earlier movements but the emphasis is upon contemporary tendencies.

208. *American Literature:* Mr. Berthoff.

212.* *Representative Dramas:* Mr. Thon.
A comparative study of selected plays: Greek, Latin, and modern European in translation; and contemporary American. This course is not open to Freshmen.

301. *Old English Literature:* Dr. Herben.
After some training in Old English grammar, selections from prose and poetry are read, followed by the *Beowulf*.

302a. *The Drama from the Beginnings to 1642:* Instructor to be announced.

[303. *English Poetry from Spenser to Donne:* Dr. Sprague.]
The principal poets studied are Spenser, Sidney, Daniel, Drayton, Shakespeare (the narrative poems and the sonnets), Ben Jonson, and Donne.

304. *The Seventeenth Century:* Miss Stapleton.
About a third of the time is devoted to Milton, and special attention is given to the influence of the political and scientific movements of the period.

[305. *The Eighteenth Century:* Dr. Woodworth.]
The age of Pope and Swift; the Rise of the Novel; Dr. Johnson and his Circle.

FINAL EXAMINATION

The final examination is in three parts:

1. Literary criticism, literary genres, and problems of style. Based upon the reading of certain critical works of fundamental importance. Each student is expected to draw illustrative material from the fields in which she has elected to work.
2. An examination in one of the following periods. The student must choose a period other than that which embraces her field of concentration.
 a. The Middle Ages (to 1500)
 b. The Renaissance (1500-1660)
 c. Neo-classicism and Romanticism (1660-1832)
 d. The Nineteenth and Twentieth Centuries (English or English and American).
3. An examination in one of the following fields of concentration: Old English; Middle English; The Drama to 1642; Elizabethan Literature, non-dramatic; The Seventeenth Century; The Eighteenth Century; Romanticism; Victorian Literature; The Novel; The Drama from 1660 to the Present Time; English and American Literature, 1890-1939; American Literature.

With the consent of the department an examination in an allied subject may be substituted for one of these three examinations.

HONORS WORK

In the senior year honors work, consisting of independent reading, reports, and conferences, is offered to students of marked ability whose major subject is English.

French

PROFESSORS:	MARGARET GILMAN, Ph.D. GERMAINE BRÉE, *Agrégée de l'Université*
NON-RESIDENT PROFESSOR:	GRACE FRANK, A.B.[1]
ASSOCIATE PROFESSOR:	BERTHE MARIE MARTI, Ph.D.
ASSISTANT PROFESSOR:	MAURICE GONNAUD, *Agrégée de l'Université*
INSTRUCTOR:	EDWARD P. MORRIS, B.A.

Students majoring in French are required to take the first year course, the two second year courses, and one advanced literature course. Students who spend their Junior year in France may substitute an advanced literature course for French 202c.

Allied subjects: any other language or literature, History, History of Art, Music, Philosophy, Economics, Political Science.

1 On sabbatical leave for the year 1951-52.

1. *Elementary French:* Mr. Morris.
2. *Intermediate French:* Miss Brée, Mr. Gonnaud, Mr. Morris.
101. *French Literature from the* Chanson de Roland *to 1715: Practical Exercises in the French Language:* Dr. Gilman, Miss Brée, Mr. Gonnaud, Mr. Morris.
201. *French Literature from 1715 to 1900:* Dr. Gilman, Miss Brée.
202c. *French Composition and Diction:* Miss Marti.
[301. *Introduction to Medieval French Literature and Philology.*]
[302. *French Poetry from Villon to Valéry.*]
303. *French Thought of the Sixteenth and Seventeenth Centuries:* Mr. Morris.
[304. *French Drama of the Seventeenth Century.*]
[305. *The French Novel of the Eighteenth and Nineteenth Centuries:* Dr. Gilman.]
306. *French Literature of the Twentieth Century:* Miss Brée.
307c. *Advanced Training in the French Language:* Miss Gilman, Mr. Gonnaud.

Junior Year Abroad

Students majoring in French may by a joint recommendation of the Dean of the College and the Department of French be allowed to spend their Junior year in Paris under the Junior Year in France Plan, now under the auspices of Sweet Briar College.

Final Examination

The final examination is in three parts:

1. An oral examination to test the student's use of the French language.
2. A three-hour written examination on a period of French literature.
3. A three-hour written examination on the development of a literary genre through French literature.

Honors Work

On the recommendation of the department, students in their senior year will be admitted to honors work consisting of independent reading, reports and conferences.

Geology

Professors:	Edward H. Watson, Ph.D.
	Lincoln Dryden, Ph.D.
Associate Professor:	Dorothy Wyckoff, Ph.D.
Demonstrators:	Jane H. Wallace, M.A.
	Irene R. Waraksa, A.B.
	Julie Ann Jaekel, A.B.

Students majoring in Geology are required to take the first year course (101a and 101b), the two second year courses, and one advanced course.

Allied subjects: Biology, Chemistry, Physics, and, in special cases, other subjects.

101a. *Physical Geology:* Dr. Watson and demonstrators.
A study of the atmosphere, weathering, stream action, oceans, glaciers, earthquakes, and volcanoes, and of the structures to which they give rise. Three lectures, two afternoons of laboratory or field work a week.

101b. *Historical Geology:* Dr. Dryden and demonstrators.
The physical and biological development of the earth to the beginnings of historical times. Three lectures, two afternoons of laboratory or field work a week.

201. *Mineralogy:* Dr. Watson.
Crystallography, descriptive and determinative mineralogy, and elementary economic geology. Three lectures, two afternoons of laboratory or field work a week.

[202. *Paleontology:* Dr. Dryden.]
A systematic survey of animal phyla with special reference to their stratigraphic significance. Three lectures, one afternoon of laboratory a week.

[301. *Structural and Field Geology:* Dr. Watson.]
The origin and analysis of the structures of igneous, sedimentary, and metamorphic rocks, and geological surveying. Three lectures, two afternoons of field work or laboratory a week.

302. *Stratigraphy:* Dr. Dryden.
A survey of the stratigraphy of selected regions in Europe and North America, and study of special problems of correlation and interpretation. Three lectures, one afternoon of laboratory a week.

303. *Optical Mineralogy* (first semester) and *Petrology* (second semester). Dr. Wyckoff.
The optical properties of minerals and the use of the petrographic microscope. Discussion of the origin and differentiation of igneous rocks. Two lectures, about twelve hours of laboratory a week. Credit: 1½ units.

[304.* *Cartography:* Dr. Watson, Dr. Wyckoff.]
Field surveying, drafting, photogrammetry, elementary geomorphology, and general cartography. Open to students without previous work in geology. Two lectures, two afternoons of laboratory a week.

[305.* *Geography:* Dr. Wyckoff.]
Discussion of geographic factors such as climate, soils, vegetation, land forms and mineral resources. General principles of economic and political geography. Three lectures, one afternoon of laboratory a week.

306.* *The Development of Scientific Thought:* Dr. Wyckoff, Dr. Oppenheimer.
(See Interdepartmental Course 203, page 82.)

FINAL EXAMINATION

The final examination for students majoring in geology is in three parts:

1. An examination in general geology (required of all students).
2. An examination in *one* of the following fields:
 a. Crystallography, crystal structure, crystal optics
 b. Optical mineralogy, petrographic methods, petrology
 c. Structural geology, field methods
 d. Paleontology, stratigraphy, physiography
 e. Crystallography and mineralogy.
3. *One* of the following:
 a. An examination in a second field of geological study in Group 2
 b. A general examination in an allied field approved by the department
 c. A written report on the results of a special piece of field or laboratory work.

HONORS WORK

Honors work in any of the advanced fields is offered to any student who has completed the first two years in geology with distinction.

German

PROFESSORS:	MAX DIEZ, Ph.D.
	FRITZ MEZGER, Ph.D.
ASSOCIATE PROFESSOR:	MYRA RICHARDS JESSEN, Ph.D.
ASSISTANT PROFESSORS:	MARTHA M. DIEZ, M.A.
	HEINZ POLITZER, Ph.D.
INSTRUCTOR:	HILDEGARD HUNT VON LAUE, A.B.

Students majoring in German should take four courses above the elementary level: of these at least one should be advanced. To improve their command of spoken German a summer abroad or at the German School of Middlebury College is strongly recommended.

Allied subjects: History 101 (strongly recommended), 204, 205, 301; any language or literature; History of Art 202, 203, 204, 302; Music 101, 201, 301c; and Philosophy 201a, 301a and 302b.

1. *Elementary German (Reading):* Dr. Diez, Dr. Jessen, Mrs. Diez, Dr. Politzer, Mrs. von Laue.

2c. *Elementary German (Speaking):* Dr. Diez, Dr. Jessen, Mrs. von Laue.

101c. *Intermediate Training in Spoken German:* Mrs. Diez.

102c. *Introduction to German Literature: Faust:* Dr. Diez.

201. *German Life in Town and Country:* Dr. Jessen.
Oral and written discussion of readings on German life.

202. *The Age of Goethe:* Dr. Diez.

[203.* *Language and Civilization:* Dr. Mezger.]

[301. *Advanced Training in Translation:* Dr. Diez.]

[302. *History of German Civilization:* Dr. Diez.]

[303. *The Age of Richard Wagner:* Dr. Diez.]

304. *German Literature from 1850 to 1940:* Dr. Mezger.

[305. *Introduction to German Philology:* Dr. Mezger.]
This course is given as History of the German Language, *or* Old High German and Middle High German Literature.

306. *The German "Novelle":* Dr. Jessen.

[307. *German Drama:* Dr. Jessen.]

[308. *The German Lyric:* Dr. Politzer.]

JUNIOR YEAR ABROAD

Students of unusual ability may be recommended for the Junior Year in Zurich or Munich under the direction of the American Council on College Study in Switzerland or of the German Junior Year Inc. Prerequisite: German 2.

FINAL EXAMINATION

The final examination for students majoring in German consists of three papers:

1. An examination in German on the literature and civilization of Germany, to be written in German.
2. One of the following:
 a. History of the German Language
 b. The German Drama
 c. German Poetry
 d. The German Novel
 e. European History
 f. History of German Art
 g. History of German Music
 h. German Philosophy
3. One of the following:
 a. Middle High German Literature
 b. The Classical Period 1750-1805
 c. German Romanticism from Novalis to Nietzsche
 d. The Age of Realism 1830-1885
 e. The Modern Period 1885-1930
 f. An allied subject if none has been offered under Group 2.

HONORS WORK

Special work for honors is offered to students of unusual ability.

Greek

PROFESSOR: RICHMOND LATTIMORE, Ph.D.
ASSOCIATE PROFESSOR: MABEL LOUISE LANG, Ph.D.
Appointment to be announced

PROFESSOR OF
CLASSICAL ARCHÆOLOGY: RHYS CARPENTER, Ph.D., Litt.D.

Students majoring in Greek are required to take Elementary Greek, the first year course, the second year course, and one advanced course, to be decided in consultation with the department.

Allied subjects: Ancient History, Archæology, any language, Philosophy.

1. *Elementary Greek:* Dr. Lang.

101. *Plato* (first semester); *Aeschylus and Sophocles* (second semester): Dr. Lattimore.
Private reading and prose composition are required.

102c. *Homer:* Dr. Lang.
Offered for students who have begun Greek in College and for those who do not offer Homer for entrance.

201. *Herodotus* (first semester); *Euripides* (second semester): Instructor to be announced.
Private reading and prose composition are required.

[202c. *Thucydides* (first semester); *Plato* (second semester).]

301. *Early Greek Literature: History and Criticism:* Dr. Lattimore.

The student selects her work from these fields and authors in consultation with the department.

203.* *Greek Literature in Translation:* Dr. Lattimore, Dr. Lang.

FINAL EXAMINATION

The final examination for students majoring in Greek consists of:

1. Sight Translation of Greek to English.
2. Two papers from the following fields: Homer, Attic Tragedy, Lyric Poetry and Aristophanes, Fifth-century Historians, Fourth-century Attic Prose.

HONORS WORK

Honors may be taken either in conjunction with advanced courses or after their completion.

History

PROFESSORS: HELEN TAFT MANNING, Ph.D., LL.D.
CAROLINE ROBBINS, Ph.D.
FELIX GILBERT, Ph.D.
ASSOCIATE PROFESSOR: GEORGE P. CUTTINO, D.Phil.[1]
ASSISTANT PROFESSOR: ARTHUR P. DUDDEN, Ph.D.
INSTRUCTOR: ISABEL WITTE, A.B.

PROFESSOR OF LATIN: THOMAS ROBERT SHANNON BROUGHTON, Ph.D.[2]

Students majoring in history must take the first year course unless they have entered college with satisfactory preparation in the field of European history. Any substitution must be approved by the department. They must take two second year courses and one advanced course.

Allied work: students interested in modern European or American history are advised to take courses in economics or political science as allied work. Students interested in medieval history are advised to take courses in history of art or Latin, especially medieval Latin. Students interested in ancient history are advised to take courses in the ancient languages, classical archæology or philosophy. Advanced courses in English, French, German, and Russian literature and the course in anthropology are also accepted as allied work with the consent of the Department.

101. *Medieval and Modern Europe:* Dr. Manning, Dr. Robbins, Dr. Dudden, Miss Witte.

201. *History of England to 1783:* Dr. Robbins.

202. *History of the United States:* Dr. Dudden.

A survey of American civilization to the present day. The first semester covers the colonial settlements, British imperial rule, the American Revolution, and the history of the new nation to the end of the Civil War. The second semester concerns itself with the emergence of modern America.

[204a. *Medieval Civilization:* Dr. Cuttino.]

[204b. *History of the Renaissance:* Dr. Cuttino.]

205a. *The Enlightenment:* Dr. Robbins.

A study of the rise and forms of absolutism in European countries between the Reformation and the Revolution occupies the first half of the semester. The second is devoted to an analysis of main currents of thought in the period and their connection with the political developments of the time.

205b. *Revolutionary Europe 1787-1850:* Dr. Manning.

About one half of the semester is devoted to the French Revolution; the second half to the spread of revolutionary ideas and the idea of nationalism throughout Western Europe during the

[1] On leave of absence for the year 1951-52.
[2] On sabbatical leave for the year 1951-52.

Napoleonic period and the first half of the nineteenth century culminating in the Revolution of 1848.

[207.* *Ancient History:* Dr. Broughton.]

[208. *History of Russia:* Dr. Gilbert.]
Semester one deals with the Russia of Tsarism, the second semester with the foreign policy of Soviet Russia.

301. *History of Europe since 1890:* Dr. Gilbert.
The first term includes the settlement after the First World War, the second term discusses the events from 1919 to the present. The course deals not only with diplomatic events but special emphasis is placed on the internal developments in the European states and on their social structure.

302a. *Rise of the Americas:* Dr. Manning.
The French, Spanish, and British colonial empires; the revolutionary movements and the development of the Latin-American states.

303b. *The United States in the Twentieth Century:* Dr. Dudden.
America in our time, emphasizing social, economic, and intellectual developments. Student participation of an advanced yet informal nature will be encouraged.

[304a. *English History in the Nineteenth Century:* Dr. Manning.]

305. *Renaissance and Reformation:* Dr. Gilbert.
The course is concerned with European History from the fourteenth to the sixteenth centuries. The first term deals with the Renaissance, the second with the Reformation. Emphasis will be placed not only on the political and social developments, but also on the intellectual history of the period.

FINAL EXAMINATION

The final examination for students in History consists of three papers, two of which must deal with general European History. Unless special permission is given by the Department these two fields should form a sequence in Ancient, in Medieval or in Modern History. The fields offered are as follows:

(1) Ancient History to A.D. 378
(2) History of Europe 378 to 1250
(3) History of Europe 1250 to 1618
(4) History of Europe 1618 to 1856
(5) History of Europe 1856 to 1950
(6) History of England
(7) History of the United States

The papers in English and American History will be based on concentrated study of a special field selected by the Department to meet the need of the Senior Class. With the consent of the departments concerned a student may write her third paper in a field of allied work.

HONORS WORK

Students admitted to this work meet the instructor each week for the discussion of reading in a selected period. An essay based on source material must be presented before May 1st. The award of the degree with honors in history will depend on the character of this honors paper and on the candidate's performance in the final examination.

History of Art

PROFESSORS:	JOSEPH CURTIS SLOANE, M.F.A., Ph.D.
	ALEXANDER COBURN SOPER, M.F.A., Ph.D.
ASSOCIATE PROFESSOR:	RICHARD BERNHEIMER, Ph.D.[1]
INSTRUCTOR:	MARY L. HEUSER, M.A.
CURATOR OF SLIDES AND PHOTOGRAPHS:	HENRIETTA HUFF LANDES, A.B.
ASSISTANTS:	LUCILLE FEIDEN RABIN, M.A.
	MARIANNE WINTER MARTIN, M.A.
	ELLEN D. PSATY, M.A.

Appointments to be announced

Students majoring in the history of art are required to take four full courses (or the equivalent): the first year course, one of the second year courses, and two other courses, one of which shall be considered as an advanced course.

Allied subjects: Classical Archæology, English, French, German, History, Music, Philosophy.

All courses are illustrated with lantern slides. A large collection of photographs is available for study.

In cooperation with the department, the Undergraduate Art Club offers studio practice in creative art. The studio is open to all interested students several afternoons a week throughout the year. There is no tuition fee and academic credit is not granted for this work.

101. *An Introduction to the History of Art:* Dr. Sloane.

A philosophical, technical, and historical introduction to the field of the fine arts. Laboratory work in basic principles of design, color, and technique will be required in conjunction with the lectures. Three lectures, one hour of conference, and two hours of laboratory each week.

201.* *Italian Art:* Miss Heuser.

The arts of Italy from the thirteenth to the end of the fifteenth century are discussed in the first semester. The second semester covers the later phases of Italian art with some consideration of its influence on the Baroque in Spain and Germany.

[202. *Medieval Art:* Dr. Soper, Dr. Bernheimer.]

The first semester covers the early mediæval period, the second the Romanesque and Gothic.

203a. *Northern Renaissance Art:* Dr. Soper.

From its beginnings through Breughel.

1 On sabbatical leave for the year 1951-52.

204b. *Northern Baroque Art:* Dr. Sloane.

From the late sixteenth century to the classical revival in the eighteenth century.

301.* *Art of the Far East:* Dr. Soper.

Chinese and Japanese art from the earliest dynasties to the present, including a survey of Indian art as an introduction to Buddhism in the Far East.

302. *Modern Art:* Dr. Sloane, Dr. Soper.

In the first semester the pictorial arts are traced from David to the present day. In the second semester, the architecture and sculpture of the same period are discussed.

FINAL EXAMINATION

The final examination for students majoring in the history of art consists of three parts of three hours each:

1. An examination conducted with slides and/or photographs testing the student's ability to identify important monuments and to analyze stylistic and iconographic elements within the field of major concentration.
2. A written examination on fundamental problems of style, evolution and cultural relationships in art.
3. A detailed examination on *one* of the following fields chosen from the broader field of major concentration:
 a. Early Medieval Art
 b. Romanesque and Gothic Art
 c. Art of the Northern Renaissance
 d. Italian Art after 1300
 e. Art of the Seventeenth and Eighteenth Centuries
 f. Modern Art (after 1800)
 g. Art of the Far East.

HONORS WORK

Honors work is offered to students recommended by the department.

History of Religion

PROFESSOR OF ENGLISH LITERATURE:
SAMUEL CLAGGETT CHEW, Ph.D., Litt.D.

ASSOCIATE PROFESSOR OF LATIN:
AGNES KIRSOPP MICHELS, Ph.D.

ASSOCIATE PROFESSOR OF PHILOSOPHY AND RELIGION:
GEDDES MACGREGOR, B.D., LL.B., D.Phil., F.R.S.L.

Instruction offered in the History of Religion and in Biblical Literature is not organized on the scale of a regularly constituted department; there is no major work in either subject.

101a.* *The Rise of Judaism:* Dr. A. K. Michels.
The reading is taken, as far as possible, from the original sources.

101b.* *Early Christianity:* Dr. A. K. Michels.
The reading is taken, as far as possible, from the original sources.

103.* *Literary History of the Bible:* Dr. Chew.
The English Bible from the point of view of origins and literary forms.

201a.* *Comparative Religion:* Dr. MacGregor.
An historical study of the major religions of the world, comparatively considered.

201b.* *History of Christian Thought:* Dr. MacGregor.
The history of Christian ideas from early times to the present day.

203a. *Philosophy of Religion:* Dr. MacGregor.
This course is also listed as Philosophy 203a.

203b. *Mediæval Philosophy:* Dr. MacGregor.
This course is also listed as Philosophy 203b.

Italian

ASSOCIATE PROFESSOR: ANGELINE HELEN LOGRASSO, Ph.D.

Students majoring in Italian are required to take the first year course in the Italian language, the two second year courses, the advanced course in Dante, and one other advanced course.

Allied subjects: History, History of Art, Philosophy, any other language or literature; certain courses in other fields with departmental approval.

Attention is called to two elective half-courses in Italian literature in English translation for students who have no knowledge of Italian. By special arrangement they may be expanded into full courses. For the required reports in these courses students may choose topics related to their major subject.

101. *Italian Language:* Dr. Lograsso.
A practical knowledge of the language is acquired through speaking, hearing, writing, and reading, going from concrete situations to the expression of abstract ideas and with a gradual introduction to the reading of contemporary texts. A modified Army method is used.

[102c.* *Dante in English Translation:* Dr. Lograsso.]
The *New Life* and *Divine Comedy.*

[103c.* *Literature of the Italian Renaissance in English Translation:* Dr. Lograsso.]
From Petrarch to Tasso; pastoral literature; literary criticism and aesthetic theories of the Renaissance with special reference to their influence on other literatures.

201. *Classics in Italian Literature:* Dr. Lograsso.
Reading and explanation of texts, with a study of literary history; conducted mostly in Italian.

202c. *Intermediate Course in the Italian Language:* Dr. Lograsso.
Topics are assigned for composition and discussion in Italian.

301. *Dante:* Dr. Lograsso.
The *Vita Nuova* and *Divina Commedia,* with some attention to the minor works.

302c. *The Italian Language:* Dr. Lograsso.
Advanced work in composition.

[303. *Italian Literature of the Rinascimento:* Dr. Lograsso.]

[304. *Italian Literature of the Romantic Period:* Dr. Lograsso.]

JUNIOR YEAR ABROAD

Students approved by the Department and the Dean of the College may be recommended for the Junior year in Perugia and Florence under the auspices of the Smith College Group.

FINAL EXAMINATION

The final examination consists of three parts:

1. The Italian Language: ability to speak and understand the spoken idiom; ability to write it.
2. Italian Literature and Literary History.
3. The study of a single genre or topic throughout Italian literature, or a paper on an allied subject.

For the second part the emphasis may be placed on the Medieval, Renaissance, Romantic, or Modern period.

HONORS WORK

After the completion of the second year course a student may be recommended for honors in Italian. The student works in a special field adapted to her own interest under the direction of the department.

Latin

PROFESSORS: LILY ROSS TAYLOR, Ph.D., Litt.D.
THOMAS ROBERT SHANNON BROUGHTON, Ph.D.[1]

ASSOCIATE PROFESSORS: BERTHE MARIE MARTI, Ph.D.
AGNES KIRSOPP MICHELS, Ph.D.

Students majoring in Latin are required to take Latin 101, 201, and 301 or 302.

Allied subjects: Ancient, Medieval, and Renaissance History, Classical Archæology, Greek, History of Religion, Philosophy, any modern language or literature.

[1] On sabbatical leave for the year 1951-52.

101. *Latin Literature:* Dr. Marti, Dr. Michels.
Prerequisite: at least three units of entrance Latin. Selections will be read from the poems of Catullus, from the *Eclogues* and *Georgics* of Vergil, and from the Elegists in the first semester; and from Livy's *History* and the *Odes* of Horace in the second.

201a. *Latin Literature of the Empire:* Dr. Michels.
Prerequisite: Latin 101. Reading will include selections from the *Satires* and *Epistles* of Horace, and from the writers of the Silver Age.

201b. *Medieval Latin Literature:* Dr. Marti.
Prerequisite: Latin 101, and for upper classmen who wish it as an allied course, four units of entrance Latin. Latin Literature from the fourth to the fourteenth century with special emphasis upon the development of the chief literary *genres.* The reading includes selections from the most important medieval writers.

202c. *Latin Prose Style:* Dr. Michels, Dr. Marti.
Detailed study of the style of the chief prose authors and regular practice in the writing of Latin.

[301a. *Vergil's Aeneid:* Dr. Michels.]

[301b. *Tacitus and Livy:* Dr. Broughton.]

302a. *Cicero and Caesar:* Dr. Taylor.
Extensive selections from Cicero's *Orations* and *Letters* and from Caesar's *Commentaries.* Chief emphasis is placed on the social and political history of the period.

302b. *Lucretius and Vergil's Georgics:* Dr. Michels.

[303a. *Early Latin Literature:* Dr. Marti.]
Reading of plays of Plautus and Terence, the *Annals* of Ennius, and some examples of early prose writing.

FINAL EXAMINATION

The final examination for students majoring in Latin consists of three three-hour papers in the following fields:

1. Latin Sight Translation.
2. An examination on one of the following subjects:
 a. Latin Literature of the Republic
 b. Latin Literature of the Empire
 c. Latin Literature of the Ciceronian and Augustan Age
 d. Roman History from the Sources (100 B.C. to 70 A.D.).
3. An examination on one of the following subjects:
 a. An allied subject (Students are advised if possible to take the third paper in Greek)
 b. A second subject from Group 2 (Choice must avoid duplication of material)

c. The development in Latin literature of an important literary type
d. An important period or type in Medieval Latin Literature
e. Latin Prose Style.

HONORS WORK

Qualified students will be admitted to honors work on the recommendation of the department.

Mathematics

ASSOCIATE PROFESSORS: JOHN CORNING OXTOBY, M.A.
MARGUERITE LEHR, Ph.D.
ASSISTANT PROFESSOR: LINDLEY J. BURTON, Ph.D.
Appointment to be announced

Students majoring in Mathematics are required to take Mathematics 101, 201, 202c, and two advanced courses.

Allied subjects: Chemistry, Economics, Philosophy, Physics, Psychology.

101a. *Plane Analytic Geometry:* Dr. Lehr, Mr. Oxtoby.
The course includes the necessary topics in Trigonometry.

101b. *Differential Calculus:* Dr. Lehr, Mr. Oxtoby.

201. *Second Year Calculus:* Dr. Burton.
Integral Calculus, Infinite Series, Differential Equations.

202c. *Solid Analytic Geometry and Algebra:* Mr. Oxtoby.
A selection from the following courses is offered each year according to the needs of the students.

204.* *Introduction to Statistical Analysis:* Dr. Lehr.
An elementary approach to the study of quantitative data, designed to develop the requisite mathematics as a language for applications. Descriptive methods for frequency distributions and time series; correlation. Elements of sampling theory, tests of significance.

301. *Advanced Calculus:* Dr. Burton.
Prerequisite: Mathematics 201.

302b. *Introduction to Geometric Theories:* Dr. Lehr.
Prerequisite: Mathematics 202c.

303a. *Introduction to Abstract Algebra:* Dr. Lehr.
Prerequisite: Mathematics 202c.

[304a. *Theory of Probability and Statistics:* Dr. Lehr.]
Prerequisite: Mathematics 201.

[310. *Theory of Functions of a Complex Variable:* Instructor to be announced.]
Prerequisite: Mathematics 301.

[311b. *Differential Equations:* Mr. Oxtoby.]
Prerequisite: Mathematics 301 (may be taken concurrently).

FINAL EXAMINATION

The final examination for students majoring in mathematics consists of three parts:

1. An examination in analysis.
2. An examination in geometry.
3. One of the following:
 a. An examination in algebra, in applied mathematics, or in some particular branch of advanced analysis or advanced geometry
 b. An examination in an allied field approved by the department
 c. A written report based on intensive study of one of the subjects listed in group (a).

HONORS WORK

Honors work is offered in this department to qualified students.

Music

PROFESSOR:	HORACE ALWYNE, F.R.M.C.M.
ASSOCIATE PROFESSOR:	ROBERT L. GOODALE, A.B., B.Mus., A.A.G.O.
DIRECTOR OF ORCHESTRA AND ENSEMBLE GROUPS:	WILLIAM H. REESE, Ph.D.
ASSISTANT:	ELIZABETH E. BOOTH, A.B.

The courses in Music are all free electives. They are so arranged that a student may pursue the subject during the four years of college. No credit will be given for courses in this department unless the work of both semesters is completed.

Students in the courses in History and Appreciation of Music must devote two hours or more a week to listening to gramophone records assigned by the department.

The College Chorus of eighty members, which also takes part in the College Services, and the Orchestra and Ensemble groups are organized under the direction of the Department of Music. On several occasions during the year the chorus of Bryn Mawr College and the choruses of various men's colleges, as well as the instrumental groups of Bryn Mawr College and Haverford College collaborate in performances of special works.

101.* *History and Appreciation of Music:* Mr. Alwyne.
A comprehensive survey from the period of Bach to the end of the nineteenth century, with special emphasis on the technique of intelligent listening.

201. *Advanced History and Appreciation of Music:* Mr. Alwyne.
A more amplified and intensive study of nineteenth century music. The Symphonic Poem, Art-Song and Music-Drama. Expansion of orchestral and pianoforte technique; development of symphonic and chamber-music forms; growth of Nationalism.
Prerequisite: Music 101 or its equivalent.

301c. *Third Year History and Appreciation of Music:* Mr. Alwyne.
Development of music up to period of Bach. The trends of Twentieth Century Music and significant representative works.
Prerequisites: Music 101 and 201 or their equivalents.

102.* *Elementary Harmony:* Mr. Goodale.
Principles of melodic writing, in one and two voices. Harmony in four voices. Triads in root position, first and second inversions; 7th chords; modulation. Formal and harmonic analysis. Sight singing and dictation.

202. *Advanced Harmony:* Mr. Goodale.
Continuation of Music 102. Original composition in the larger forms. Advanced analysis. Sight singing and dictation.
Prerequisite: Music 102 or its equivalent.

203a. *Elementary Counterpoint:* Mr. Goodale.
Composition and analysis of counterpoint in the style of the sixteenth century.
Prerequisite: Music 102 or its equivalent.

203b. *Elementary Counterpoint:* Mr. Goodale.
Composition and analysis in the style of Bach. This will include a study of the large contrapuntal forms.
Prerequisite: Music 102 and 203a or the equivalent.

Philosophy

PROFESSORS:	MILTON CHARLES NAHM, B.Litt., Ph.D.
	PAUL SCHRECKER, Ph.D., LL.D.
ASSOCIATE PROFESSORS:	ISABEL SCRIBNER STEARNS, Ph.D.[1]
	GEDDES MACGREGOR, B.D., LL.B., D.Phil., F.R.S.L.
	JOSÉ MARIA FERRATER MORA, *Licenciado*
ASSISTANT PROFESSOR:	HUGUES LEBLANC, Ph.D.
LECTURER:	JEAN A. POTTER, M.A.
ASSISTANT:	LOUISA SHANNON DUBOSE, M.A.

Students majoring in Philosophy are required to take the first year course, the second year half-courses in German Idealism, Logic, Ethics, and either Recent Philosophy or Mediæval Philosophy, and

[1] On leave of absence for the year 1951-52.

one advanced course. With permission, students may take second-year courses for third-year credit.

Allied subjects: Biology, Economics, English, Greek, History, Latin, Mathematics, Physics, Political Science, Psychology, and certain courses in History of Religion and Sociology and Anthropology.

101. *History of Philosophic Thought:* Dr. Nahm, Dr. MacGregor, Dr. Leblanc, Mr. Ferrater Mora, and Miss Potter.
Some writings of the major philosophers, classic and modern, are studied and discussed.

201a. *German Idealism:* Dr. Schrecker.
The philosophy of Kant.

201b. *Recent Metaphysics:* Miss Potter.
The metaphysics of Bradley, Bergson, Whitehead, and related thinkers.

202a. *Ethics:* Dr. Nahm.
The theory and problems of various types of ethics.

202b. *Logic:* Dr. Leblanc.
An introduction to modern logic.

203a. *Philosophy of Religion:* Dr. MacGregor.
The philosophical problems arising out of religious ideas; the nature and interpretation of religion.

203b. *Mediæval Philosophy:* Dr. MacGregor.
The history of the development of philosophy from Augustine to Aquinas, with detailed study and discussion of the Thomist solution of the mediæval problem and of the basis of a modern interpretation of Thomism.

301a. *Theory of Knowledge:* Dr. Leblanc.
An analysis of the scope, structure, and methods of science in the light of recent philosophy.

301b. *Aesthetics:* Dr. Nahm.
Types of aesthetic theory and problems of aesthetic experience and productivity.

302a. *Plato:* Miss Potter.
A detailed study of some of the later dialogues.

[302b. *Philosophy of History:* Dr. Schrecker.]
The philosophical interpretation of history, its meanings, and laws.

303b. *Leibniz:* Dr. Schrecker.
The historical background of Leibniz's thought, with emphasis upon the mathematical and logical foundations of his philosophy. The reading will principally be drawn from Leibniz's epistemology, metaphysics, doctrine of natural law, and political philosophy.

FINAL EXAMINATION

The final examination consists of three papers divided into the following groups, offering a wide choice of questions:

1. Ancient Philosophy.
2. Modern Philosophy.
3. Systematic Philosophy or Philosophy of Religion.

For the first two papers, selected texts of a limited number of important philosophical writers are studied. The historical relations of systems of philosophy are traced with some announced theme as a point of departure. For the third paper, a field in the Philosophy of Religion or an important modern philosopher is studied with special emphasis on the interrelations of metaphysical, ethical, etc., problems in his system.

HONORS WORK

Honors work may be taken either in conjunction with the advanced courses or after their completion. It consists of independent private reading with frequent written reports and conferences with the instructor. The subjects chosen are not confined to the technical aspects of philosophy but, on the contrary, emphasize its connection with general literature, history and politics, or with some special field in which the student is working.

Physics

PROFESSOR: WALTER C. MICHELS, Ph.D.
ASSISTANT PROFESSORS: ROSALIE C. HOYT, Ph.D.
JOHN R. PRUETT, Ph.D.
DEMONSTRATOR: GEORGIANNA W. SCOVIL, B.S.
Appointment to be announced

Students majoring in Physics are required to take the first year course; the second year course; and at least one and one-half units of advanced work, to be chosen from courses 303-305 inclusive. They must also take first and second year work in mathematics, and if possible one advanced course in mathematics.

Several Elective Courses, not usually required of majors, are given only when requested.

Allied subjects: Chemistry, Mathematics.

101. *Introduction to Modern Physics:* Dr. Hoyt, Dr. Michels, demonstrator to be announced.
Three lectures, four hours laboratory a week.

206. *Mechanics and Heat:* Dr. Michels and Dr. Hoyt.
Three lectures, four hours laboratory a week. Prerequisites: Physics 101, Mathematics 101, Mathematics 201 (may be taken concurrently).

[251c.* *Meteorology:* Dr. Michels.]
Four hours lectures and laboratory a week. Prerequisite: Physics 101 or Mathematics 101.

[252c.* *Astronomy:* Dr. Michels.]
Prerequisite: Physics 101, or first and second year work in any natural science or mathematics.
Two lectures, one evening of laboratory a week.

303. *Introduction to Experimental Physics:* Dr. Pruett.
Three lectures, four hours laboratory a week. Prerequisites: Physics 206 and Mathematics 201 (either may be taken concurrently).

304. *Introduction to Theoretical Physics:* Dr. Pruett.
Four lectures a week. Prerequisites: Physics 206, Mathematics 201, and Physics 303 (may be taken concurrently).

305c. *Physical Measurements:* Dr. Michels and Dr. Pruett.
Four hours laboratory a week. Prerequisites: Physics 303 (may be taken concurrently).

[351.* *Application of Physics to Biology and Chemistry:* Dr. Hoyt.]
Three lectures, four hours laboratory a week. Prerequisites: Physics 101 and Mathematics 101 and second year work in either Chemistry or Biology.

FINAL EXAMINATION

The final examination for students majoring in physics is in three parts:

1. Foundations of Physical Theory (required of all students).
2. Descriptive Physics. A student may substitute an approved examination in an allied field for this examination.
3. An examination in a special field of physics. The allowed subjects include:
 - Electricity and Magnetism
 - Optics
 - Classical Mechanics and Special Relativity
 - Acoustics
 - Thermodynamics and Statistical Mechanics
 - Mechanics of the Atom

HONORS WORK

Honors work may be taken by seniors recommended by the department. It consists of reading and experimental work on some problem of physics.

Political Science

The Caroline McCormick Slade Department of Political Science

PROFESSORS: ROGER H. WELLS, Ph.D.
K. LAURENCE STAPLETON, A.B.

ASSISTANT PROFESSORS: PETER BACHRACH, Ph.D.
GERTRUDE C. K. LEIGHTON, A.B., LL.B.
JOHN I. MICHAELS, JR., M.A., *Certificate of the Russian Institute of Columbia University.*

ASSOCIATE PROFESSOR OF PHILOSOPHY: ISABEL SCRIBNER STEARNS, Ph.D.[1]

ASSOCIATE PROFESSOR OF ECONOMICS: JOSHUA C. HUBBARD, Ph.D.[2]

Students majoring in this Department are required to take Political Science 101a and 102b; one unit of second year work; one unit of third year work; and Economics 101. The allied subjects for Political Science are: Economics, History, Philosophy, Psychology, Sociology and Anthropology, and, with the permission of the Department, modern foreign language or literature. Certain courses offered by the Departments of Economics and Government at Haverford College are accepted for major and allied work. The second year courses in Political Science are open to students not majoring in Political Science if they have completed one unit of work in Economics, History or Philosophy.

101a. *American Government:* Dr. Bachrach and Miss Leighton.
An introduction to the major problems of American government, emphasizing such topics as the evolution of the constitution; majority rule and minority rights; parties and pressure groups; law and judicial organization and procedure; and current controversies about the "welfare state."

102b. *Comparative Government:* Dr. Wells and Miss Leighton.
An introduction to comparative government with special reference to Britain, the British Empire and the Commonwealth. The latter part of the semester is devoted to China.

201a. *Modern Political Theory:* Dr. Bachrach.
An analysis of the basic problems of Western political thought from 1500 to the present. Among the theorists discussed are: Machiavelli, Hobbes, Locke, Rousseau, Burke, J. S. Mill, Hobhouse, Tawney, Marx, Lenin.

202a. *International Law:* Miss Leighton.
A study of the doctrines and practices of international law. Traditional material is considered in the context of contemporary society, with emphasis on some of the problems of international relations.

[1] On leave of absence for the year 1951-52.
[2] On sabbatical leave for the year 1951-52.

[203a. *Political Parties:* Dr. Wells.]

204b. *American Constitutional Law:* Dr. Bachrach.
A detailed analysis of selected Supreme Court decisions mainly in the field of civil rights. Other topics covered are the commerce clause; the due process clauses; taxation; and the general problem of federalism.

205b. *International Organization:* Miss Leighton.
A survey of international political and functional organizations with special emphasis on United Nations institutions. Political Science 202a is a prerequisite for this course.

[206b. *American State and Local Government:* Dr. Wells.]

210. *Soviet Political and Economic Development:* Dr. Hunter and Mr. Michaels.
A political and economic study of the U.S.S.R., 1917 to the present, with brief examination of the pre-revolutionary background. Political and economic institutions and processes are dealt with as integrated aspects of Soviet development.
See Interdepartmental Course 210, p. 82.

[301. *The Theory and Practice of Democracy:* Dr. Wells, Miss Stapleton, Dr. Stearns, and Dr. Hubbard.]
See Interdepartmental Course 301, p. 83.

302a. *Ancient and Medieval Political Theory:* Dr. Wells.
A history of Western political ideas from the beginnings to 1600. Greek, Roman and Patristic political thought; medieval theories of the relation of church and state; feudalism and constitutionalism: political thought of the sixteenth century.

303a. *The Governments of France and Germany:* Dr. Wells.
The course deals primarily with developments since World War II, but includes considerable historical background.

304b. *Public Administration:* Dr. Wells.
The process of public administration is examined at local, state, national and international levels. Among the subjects covered are: administrative organization; the legislature and administration; public relations of administrative agencies; inter-governmental relations; government personnel problems; financial administration. Particular emphasis is placed upon administrative developments in the United Nations.

305b. *American Political Theory:* Dr. Bachrach.
While some attention is given to the English and colonial origins, the main emphasis of the course is on the development of American political ideas from 1750 to the present.

FINAL EXAMINATION

The final examination for students majoring in Political Science will consist of three three-hour papers each based upon a field in the major subject. The fields are to be selected from the following:

American Government, Comparative Government, Political Theory, International Law and Organization. With the permission of the departments concerned, one of the papers for the final examination in Political Science may deal with an allied subject.

HONORS WORK

One unit of honors work in the Senior year may be taken by Political Science majors who are recommended by the Department. This involves a weekly conference, independent reading and research and a written report or reports on topics within the honors field.

Psychology

ASSOCIATE PROFESSOR: RACHEL DUNAWAY COX, Ph.D.
ASSISTANT PROFESSOR: JOE KENNEDY ADAMS, Ph.D.
INSTRUCTOR: DOROTHY ELVIRA FLETCHER, M.A.
DEMONSTRATOR: NORMA A. BASSETT, A.B.
Appointment to be announced

Students majoring in Psychology are required to take the first year course, all the second year courses, and of the advanced courses, either Psychology 301 or Psychology 302a and 302b. They must also take one year of Mathematics, preferably Mathematics 204.*

Allied subjects: Anthropology, Biology, Chemistry, Education, Mathematics, Philosophy, Physics, Sociology, and Statistics.

101. *General Psychology:* Dr. Adams and Mrs. Fletcher.
A systematic survey of the basic facts and principles in the various fields of psychology. Three lectures, two hours of laboratory a week.

201a. *Social Psychology:* Dr. Adams.
A study of the psychological determinants of social behavior. Three lectures a week. Prerequisite: Psychology 101.

202b. *Mental Tests and Measurements:* Dr. Cox.
Construction, use and interpretation of intelligence, aptitude and personality tests. Acquaints students with the leading instruments and gives opportunity for observation and testing. Three lectures, two hours of laboratory a week. Prerequisite: Psychology 101.

204a. *Experimental Psychology:* Dr. Adams and instructor to be announced.
A discussion of experimental methods as employed systematically in the study of sensation, perception, and related processes. Three lectures, four hours laboratory a week.
Prerequisites: Psychology 101 and one year of Mathematics. Mathematics may be taken concurrently.

204b. *Learning and Thinking:* Mrs. Fletcher.
A discussion of various theoretical approaches to learning and thinking, including consideration of methodology used in these approaches. Three lectures, four hours laboratory a week.

Prerequisites: Psychology 204a and one year of Mathematics. Mathematics may be taken concurrently.

301. *Advanced Experimental Psychology:* Mrs. Fletcher.
Three hours a week will be devoted to discussion of representative experiments in sensation and perception and in learning and motivation, with emphasis upon theory and experimental design. There will be about two hours of laboratory a week. Prerequisites: Psychology 204a and 204b, one year of Mathematics.

302a. *Clinical Psychopathology:* Instructor to be announced.
Concepts of "normality", types of abnormality, methods of investigation, and principles of psychotherapy. Three lectures a week. The field work connected with this course consists in attendance at the clinic conducted by Dr. Edward A. Strecker, Professor of Psychiatry, School of Medicine, University of Pennsylvania, one hour a week. Prerequisites: Psychology 101, 201a, 202b, 204a, 204b.

302b. *Psychology of Personality:* Instructor to be announced.
The study of the problems of development and organization of personality. Three lectures a week. Prerequisite: Psychology 302a.

FINAL EXAMINATION

The final examination for students majoring in psychology is in three parts:

1. Theoretical and Systematic Psychology (required of all students).
2. Methods of investigation and analysis (required of all students).
3. An examination in one of the following fields:
 a. Personality, normal and abnormal
 b. Learning and Thinking
 c. Sensation and Perception
 d. Mental Tests and Measurement
 e. A written report on the results of a special investigation, with permission of the Department.
 f. An examination in an allied field, approved by the Department.

HONORS WORK

One unit of honors work may be taken by students recommended by the Department. This unit will satisfy requirement 3e above.

Russian

ASSISTANT PROFESSOR — FRANCES DE GRAAFF, Ph.D.
INSTRUCTOR: — MARIANNE BOGOJAVLENSKIJ, M.A.

ASSOCIATE PROFESSOR OF ENGLISH: — BETTINA LINN, M.A.

Students majoring in Russian are required to take Elementary and Intermediate Russian and two literature courses. In addition,

they should take either Russian 203 (Russian Literature in Translation) or History 208 (History of Russia). If a student offers Russian for entrance, Russian 203 or History 208 may be substituted for one of the four required courses.

Allied subjects: History 208 (strongly recommended), 203, 301; Political Science 111b, 210, 212a; any language or literature, History of Art, Music, Philosophy.

UNDERGRADUATE COURSES

1. *Elementary Russian:* Dr. de Graaff.

101. *Intermediate Russian:* Dr. de Graaff.

Composition and conversation; reading in Russian literature and contemporary material. Prerequisite: Elementary Russian.

201. *Readings in Russian Literature:* Mrs. Bogojavlenskij.

Representative writers of the nineteenth century. Conducted mostly in Russian. Prerequisite: two years of Russian.

An advanced course, given in Russian, is selected from the following:

301. *Russian Poetry of the Nineteenth Century:* Dr. de Graaff.

302. *Pushkin and his Time:* Dr. de Graaff.

303. *Russian Literature of the Twentieth Century:* Dr. de Graaff.

304. *Social Trends in Nineteenth Century Russian Literature:* Dr. de Graaff.

FREE ELECTIVE COURSES

[202. *General Readings in Russian.*]

Primarily intended for students who want a good reading knowledge of the language, but are not majoring in Russian. The reading texts cover a variety of subject matter, such as history, economics, politics, science, as well as literature. Some lectures in Russian about the cultural background of Russia are included, with oral reports by the students and discussion of specific topics in Russian. Prerequisite: two years of Russian.

203. *Russian Literature in Translation:* Miss Linn.

The leading Russian writers of the nineteenth century in translations. Students registering for the course should read in the preceding summer the following novels: Dostoevsky's *Crime and Punishment,* Tolstoi's *War and Peace,* and two of Turgenev's novels.

FINAL EXAMINATION

The final examination for students majoring in Russian consists of three parts:

1. The Russian language: ability to speak and understand the spoken idiom; ability to translate from the Russian.
2. A period of Russian literature.

3. A paper on a single topic of Russian literature or a paper on an allied subject. The department is especially interested in allied subjects in the Social Sciences, which will be given as part of the Three College Program in Russian Studies.

HONORS WORK

Honors work is offered to students recommended by the Department.

Sociology and Anthropology

ASSOCIATE PROFESSOR OF ANTHROPOLOGY: FREDERICA DE LAGUNA, Ph.D.

ASSISTANT PROFESSOR OF SOCIOLOGY: EUGENE V. SCHNEIDER, Ph.D.

ASSOCIATE PROFESSOR OF SOCIAL ECONOMY: HERTHA KRAUS, Ph.D.[1]

Students majoring in Anthropology or Sociology are required to take the first year course (101), the second year course (201) and an additional unit of second year work, and the third year course (310).

Allied subjects: Classical Archæology, Economics, History, Philosophy, Political Science, Psychology.

101. *Anthropology:* Dr. de Laguna.

Race classification and differences; human origins, the development of culture; contemporary primitive cultures and societies.

201. *Social Institutions of Industrial Society:* Dr. Schneider.

The social structure of modern industrial societies, analyzed in terms of basic sociological concepts and principles; structure and function, formal and informal groups, values, social processes, social disorganization.

202a.* *Principles of Social Welfare:* Dr. Kraus.

Study of the principal social problems in modern industrial society and the means adopted for their solution by public and private agencies.

202b.* *Child Welfare:* Dr. Kraus.

Basic problems and methods of providing social and health services for children.

204. *American Archæology:* Dr. de Laguna.

Prerequisites for this course are either Sociology and Anthropology 101 or Classical Archæology 101. Offered every other year: 1952-1953.

205. *Ethnology:* Dr. de Laguna.

Readings in selected culture areas; method and theory of ethnology; cultural dynamics; relationship of the individual to culture.

310. *Social Theory:* Dr. Schneider.

Analysis of the structure of social systems and of the nature of social action, theories of social disorganization and social change. Attention will be paid to the growth of social thought.

[1] On sabbatical leave for the year 1951-52.

FINAL EXAMINATIONS

The final examination for students majoring in Anthropology and/or Sociology is in three parts:

1. Cultural Anthropology.
2. Sociology.
3. A special field in either Anthropology or Sociology; or a combined field.

An examination in an allied field may be substituted for any one of the above examinations.

HONORS WORK

Honors work is offered to students recommended by the Department.

Spanish

DEAN OF THE COLLEGE: DOROTHY NEPPER MARSHALL, Ph.D.
ASSOCIATE PROFESSORS: MANUEL ALCALÁ, Litt.D.
JOSÉ MARIA FERRATER MORA, *Licenciado*
INSTRUCTOR: NANETTE CLAIR EMERY, M.A.
Appointment to be announced

Students majoring in Spanish are required to take the first year course, at least one of the full second year courses, and the two advanced courses (one of which must be taken in the junior year). Allied subjects: any other language or literature, Economics, History, History of Art, Music, Philosophy, Political Science, and Sociology and Anthropology.

1. *Elementary Spanish:* Miss Emery and instructor to be announced.

Spanish grammar, composition and conversation; reading on the Spanish and Spanish-American background.

3. *Intermediate Spanish and Composition:* Miss Emery and instructor to be announced.

Intensive grammar review and exercises in composition and conversation.

101. *Introduction to Spanish Literature:* Dr. Alcalá.
From *El Poema del Cid* to the Golden Age.

202. *The Spanish Lyric:* Dr. Alcalá.
Lyrical poetry in the Hispanic countries from the beginnings to the present day. Collateral reading and reports.

202c. *Advanced Spanish Composition:* Mr. Ferrater Mora.

[203. *The Spanish Novel:* Dr. Marshall.]
The history of the novel in Spain from the beginnings to the present day. Collateral reading and reports.

301a. *The Age of Cervantes:* Dr. Alcalá.

301b. *Spanish Drama of the Golden Age:* Mr. Ferrater Mora.

303. *Spanish Thought and Essay of the Nineteenth and Twentieth Centuries:* Mr. Ferrater Mora.

JUNIOR YEAR ABROAD

Students who major in Spanish may be recommended by the Department for the Junior Year in Mexico under the direction of Smith College.

FINAL EXAMINATION

The final examination for students majoring in Spanish consists of three parts:

1. An oral examination consisting of the explanation and interpretation of a Spanish text in Spanish.
2. A three-hour written examination in Spanish on a period in Spanish literature, such as the Renaissance, Romanticism, or on Spanish-American literature.
3. A three-hour written examination in Spanish on the development of a literary genre, such as the drama, the novel, the lyric, through Spanish literature *or* a similar examination on an allied subject related to the student's Spanish field.

HONORS WORK

Honors work is offered to students recommended by the department.

Interdepartmental Courses

The following courses are given by several departments in co-operation. The object is to cut across well defined areas of knowledge and to show the relationships existing among them.

[202. *Aspects of Eighteenth Century Life and Thought:* Dr. Manning, Dr. Northrop, Miss Stapleton.]

203. *The Development of Scientific Thought:* Dr. Wyckoff, Dr. Oppenheimer.

The study of the development of scientific ideas and techniques in chronological sequence, and their origins, interrelationships, and impact on other intellectual activities of various periods. Open to students who have had one year of laboratory science in college. (This course is also listed as Biology 307 and Geology 306*.)

210. *Soviet Political and Economic Development:* Dr. Hunter and Mr. Michaels.

A political and economic study of the U.S.S.R., 1917 to the present, with brief examination of the pre-revolutionary background. Political and economic institutions and processes are dealt with as integrated aspects of Soviet development. This course is also listed as Political Science 210.

[301. *The Theory and Practice of Democracy:* Dr. Wells, Miss Stapleton, Dr. Stearns, Dr. Hubbard.]

The fundamental concepts of democracy and their expression in governmental institutions; their relationship to contemporary

political problems. Open to juniors and seniors who have taken one year of History, Economics, Political Science or Philosophy. and to other students with the permission of the instructors. (This course is also listed as Political Science 301.)

302. *The Contemporary European Novel:* Miss Brée, Dr. Politzer, with additional lectures by other members of the Faculty.

Physical Education

DIRECTOR: IRENE A. CLAYTON, M.S.
INSTRUCTORS: ETHEL M. GRANT
JANET YEAGER
HELENE SAVAD, M.S.

Through the offerings in the Physical Education Department, students are given opportunities to participate in varied fields of both individual and team sports, dance and aquatic activities. Class instruction during the first two years enables the student to learn new skills or to improve her techniques. Interclass, Interdormitory, and Varsity schedules of games and tournaments offer all students the experience of competition in sports. Creative interest in Modern Dance is encouraged through class work and extra-curricular programs. In cooperation with the Athletic Association, the Department sponsors Square Dance nights and Winter Sports trips. It seeks the interests of students in furthering bicycle trips and canoe trips and other types of informal recreational activities.

The freshman requirement in Physical Education consists of three periods a week throughout the year; for the fall and winter terms one of these periods will be given over to the study of fundamental principles of good movement. The sophomore requirement consists of two periods a week throughout the year. All students must complete the freshman and sophomore requirements satisfactorily, and must pass the swimming test administered to every new student at the beginning of the year unless she is excused by the college physician. Students unable to pass this test are expected to register for beginning swimming. All classes are open to election by upperclassmen.

Seasonal offerings of the Department from which election may be made are:

Fall: archery, beginning swimming, fencing, hockey, modern dance, riding, and tennis.

Winter: badminton, basketball, fencing, folk dance, modern dance, skating, swimming, American Red Cross Senior Life Saving and Instructor's courses, and volleyball.

Spring: archery, baseball, fencing, lacrosse, modern dance, riding, swimming, golf, and tennis.

Swimming test: one standing dive, back float two minutes, tread water one minute, bobbing twice, and swimming any stroke twenty minutes.

SCHOLARSHIPS AND AWARDS

Scholarships and awards fall into two main groups: those which are awarded solely for distinction in academic work, and those which are awarded for both distinction in academic work and need of financial aid. The former group is listed first, followed by the latter, which is subdivided according to the years in which the scholarships and awards may be held.

Applications

Applications are required for all scholarships except those awarded solely for distinction in academic work. Applications for Alumnæ Regional Scholarships should be made by March 15 preceding entrance to College. Forms may be obtained from the Alumnæ Scholarships and Loan Fund Committee, Alumnæ Office, The Deanery, Bryn Mawr, Pennsylvania. Applications for other entrance scholarships should be made by March 15 preceding admission to College on forms obtainable from the Director of Admissions. Applications for other scholarships should be made by March 15 preceding the academic year in which the scholarships are held. Forms are obtainable from the Dean of the College.

In general, nominations for scholarships are made by the Faculty Committee on Undergraduate Scholarships and by the Scholarships and Loan Fund Committee of the Alumnæ Association of Bryn Mawr College. Funded scholarships are awarded according to the expressed wishes of the donors. The Alumnæ Regional Scholarships are administered by local alumnæ committees. The holders of a few college scholarships are nominated directly by the President and those of a few others are nominated by outside organizations. All nominations must be approved by the Board of Directors. It is sometimes possible to supplement scholarship awards by additional grants.

Awards Made for Distinction in Academic Work

The Bryn Mawr European Fellowship, value $1000, founded in 1889, is awarded annually to a member of the graduating class, to be applied toward the expenses of one year's study at some foreign university. For the present, it may be held in an American university. The holder of this fellowship receives in addition an Elizabeth S. Shippen Scholarship for Foreign Study of the value of $200.

The Catherwood Foundation Fellowship, value $1000, given in 1949, 1950 and again in 1951, is awarded by vote of the Faculty to a Senior for her first year of graduate study.

The Maria L. Eastman Brooke Hall Memorial Scholarship, value $150, founded in 1901 in memory of Maria L. Eastman, Principal of Brooke Hall School for Girls, Media, Pennsylvania.

by the alumnæ and former pupils of the school, is awarded annually to the member of the junior class with the highest general average and is held during the senior year.

The Charles S. Hinchman Memorial Scholarship, value $500, was founded in 1917 in memory of the late Charles S. Hinchman of Philadelphia by his family. It is awarded annually to a member of the junior class for work of special excellence in her major subject and is held during the senior year.

The Elizabeth S. Shippen Scholarships were founded in 1915 by the bequest of Elizabeth S. Shippen of Philadelphia. Three scholarships are awarded annually, one to the member of the senior class who receives the Bryn Mawr European Fellowship (see page 84), and two to members of the junior class, as follows: 1. *The Shippen Scholarship in Science,* value $100, to a student whose major subject is Biology, Chemistry, Geology, or Physics; 2. *The Shippen Scholarship in Foreign Languages,* value $100, to one whose major subject is French, German, Greek, Italian, Latin, or Spanish. To be eligible for either of these two scholarships a student must have completed at least one semester of the second year course in her major subject. Neither can be held by the winner of the Charles S. Hinchman Memorial Scholarship. Work in elementary courses will not be considered in awarding the scholarship in foreign languages.

The Sheelah Kilroy Memorial Scholarships in English were founded in 1919 in memory of their daughter Sheelah, by Dr. and Mrs. Philip Kilroy. They are awarded annually on the recommendation of the Department of English as follows: $150 to a student for excellence of work in second year or advanced courses in English, and $50 to the student in the required course in English Composition who writes the best essay during the year.

The Elizabeth Duane Gillespie Scholarship in American History, value $75, was founded in 1903 by the Pennsylvania Society of Colonial Dames of America in memory of Elizabeth Duane Gillespie. It is awarded annually on nomination by the Department of History to a member of the sophomore or junior class who has done work of distinction in History and takes one course in American History during her junior or senior year.

The M. Carey Thomas Essay Prize is awarded annually to a member of the senior class for distinction in writing. Students competing for the prize must submit manuscripts by May 1. The award will be made by the Department of English and may be given for either creative or critical writing.

The Katherine Fullerton Gerould Memorial Prize of from $40 to $50 was founded in 1946 and is awarded on May Day of each year in which material submitted justifies such award. It is open to any student showing evidence of creative ability in the fields of informal essay, short story, longer narrative, verse or playwriting.

The Jeanne Quistgaard Memorial Prize was given by the Class of 1938 in memory of their classmate, Jeanne Quistgaard, who died June 23, 1937. It may be awarded every two years to a student in Economics.

The Esther Walker Award was founded by the bequest of William John Walker in memory of his sister, Esther Walker, of the Class of 1910. It may be given annually to a member of the senior class who in the judgment of the Faculty shall have displayed the greatest proficiency in the study of living conditions of Northern Negroes.

The Hester Ann Corner Prize for distinction in Literature was established in 1950 in memory of Hester Ann Corner, of the Class of 1942, by her classmates and friends. The award is to be made every second year in the amount of $150 to a junior or senior on the recommendation of a committee composed of the chairmen of the Departments of Classics, English and Modern Foreign Languages.

SCHOLARSHIPS AWARDED AT ENTRANCE AND TENABLE FOR FOUR YEARS

National Scholarships are awarded annually by the Seven Women's Colleges (Barnard, Bryn Mawr, Mount Holyoke, Radcliffe, Smith, Vassar, and Wellesley). One scholarship, varying in amount from $100 to full expenses for tuition and residence, is given annually by each of the colleges in each of three areas: the west coast (Washington, Oregon, and California); three midwestern states (Kansas, Missouri, and Nebraska); and four southern states (Louisiana, New Mexico, Oklahoma, and Texas). The National Scholarships at Bryn Mawr are supported in large part by the Fanny R. S. Peabody Fund.

The Bryn Mawr Alumnæ Regional Scholarships, for varying amounts up to $650 each, are awarded in the several districts of the Alumnæ Association of Bryn Mawr College to candidates of exceptional ability who cannot meet in full the fees of the College. Application should be made before March 1st preceding entrance into College. Blanks may be obtained from the Alumnæ Scholarships and Loan Fund Committee, Alumnæ Office, The Deanery, Bryn Mawr, Pennsylvania. Awards are announced soon after the incoming students have been notified of their admission to the College. Holders of these scholarships who maintain a high standard of scholarship and conduct are assured further assistance either from local alumnæ committees or from the College.

The Trustees' Scholarships, nine in number, carrying free tuition, and tenable for four years, are made available by the Trustees of Bryn Mawr College for students prepared in the high schools of Philadelphia and its suburbs. Two of these scholarships are awarded annually to candidates who have received all their preparation for entrance in Philadelphia high schools and are recommended by the Board of Public Education of Philadelphia; two are awarded annually to candidates who have received all their preparation for entrance in public schools in the suburbs of Philadelphia and are recommended by the Director of Admissions after consultation with the principals of the schools presenting candidates.

The City Scholarships, value $300 each, are awarded to graduates of Philadelphia high schools nominated by the Board of Public Education of Philadelphia.

The Lidie C. B. Saul Scholarship, value $300, tenable for four years, is given by the Alumnæ Association of the Girls' High School and Normal School of Philadelphia. It is awarded every four years to the graduate of the Girls' High School who enters Bryn Mawr College with the highest grade of that year.

The Minnie Murdock Kendrick Memorial Scholarship, carrying free tuition, and tenable for four years, was founded in 1916 by bequest of George W. Kendrick, Jr. It is awarded every four years to a candidate nominated by the Board of Public Education of Philadelphia.

The Foundation Scholarships, carrying free tuition, and tenable for four years, may be awarded annually, upon conditions, so far as possible, similar to the Trustees' Scholarships, to members of the Society of Friends who cannot meet the full expenses of tuition and residence.

The Frances Marion Simpson Scholarships, carrying free tuition and tenable for four years, were founded in 1912 in memory of Frances Simpson Pfahler of the Class of 1906 by Justice Alexander Simpson, Jr. One scholarship is awarded each year to a member of the entering freshman class who cannot meet in full the fees of the College. In awarding these scholarships first preference is given to residents of Philadelphia and Montgomery counties who have been prepared in the public schools of these counties or at home by parents or guardians, thereafter, under the same conditions, to residents of other counties of Pennsylvania, and, in special cases, to candidates from other localities. Holders of these scholarships are expected to repay the sums advanced to them. If they become able during their college course to pay the tuition fees in whole or in part they are required to do so.

The Gertrude Howard McCormick Scholarship Fund was established in 1950 by gift of Gertrude Howard McCormick. The

scholarship, value $1000, is to be awarded to a student of excellent standing, preferably for her Freshman year. If she maintains excellent work in college she may continue to receive scholarship aid through her Sophomore, Junior and Senior years.

The Charles E. Ellis Scholarship, value $650, awarded every four years and tenable for four years, was founded in 1909 by bequest of the late Charles E. Ellis. It is awarded on the recommendation of the Superintendent of Public Schools of the City of Philadelphia subject to the approval of the Board of Directors and Trustees of Bryn Mawr College, to a student educated in the Philadelphia Public Schools.

The Chinese Scholarship, awarded every four years and tenable for four years, comes in part from the annual income of a fund established in 1917, and later increased, by a group of alumnæ and friends of the College in order to meet all or part of the expenses of a Chinese student during her four undergraduate years at Bryn Mawr College.

Special Trustees' Scholarships, carrying free tuition and tenable for four years, may be awarded annually to European students.

Other Scholarships, provided through gifts from friends of Bryn Mawr College, are awarded in accordance with the terms of the gift.

SCHOLARSHIPS AWARDED AT THE END OF THE FRESHMAN YEAR TENABLE FOR THREE YEARS

The Leila Houghteling Memorial Scholarship, value $400, was founded in 1929 in memory of Leila Houghteling of the Class of 1911 by members of her family and a group of her contemporaries. It is awarded every three years on the nomination of the Alumnæ Scholarships and Loan Fund Committee to a member of the freshman class in need of financial assistance and is held during the remaining three years of her college course.

The Jeannette Peabody Cannon Memorial Scholarship Fund was established in 1949 in memory of Jeannette Peabody Cannon of the Class of 1919 through the efforts of the New England Alumnæ Regional Scholarship Committee, of which she was a member for twenty years. The income from this fund is to be used for a scholarship to be awarded every three years at the termination of the Freshman year on the nomination of the Alumnæ Scholarship Committee to a promising member of the Freshman Class whose residence is in one of the New England states and who needs financial assistance. The scholarship may be held during the remaining three years of her college course providing a high standard is maintained.

SCHOLARSHIPS TENABLE IN THE FRESHMAN YEAR

The Amy Sussman Steinhart Scholarship, carrying free tuition, was founded in 1931 in memory of Amy Sussman Steinhart of the Class of 1902 by her family and friends. It is awarded annually to a student from one of the states on the west coast.

The Louise Hyman Pollak Scholarship, carrying free tuition, was founded in 1931 by the Board of Trustees from a bequest by Louise Hyman Pollak of the Class of 1908. It is awarded annually to a student from one of the central states east of the Mississippi River. Preference is given to residents of Cincinnati.

The Undergraduate Scholarship, raised and awarded by the Undergraduate Association in consultation with the President and the Director of Admissions is awarded each year to a foreign student entering Bryn Mawr. The award is variable in amount but covers as a minimum the cost of tuition.

The Alice Day Jackson Scholarships, representing the income from a fund given in 1930 by the late Percy Jackson in memory of his wife, Alice Day Jackson, are variable in amount and are awarded on recommendation of the Director of Admissions.

The Clara Bertram Little Memorial Scholarship, value $400, was founded in 1947 by Eleanor Little Aldrich in memory of her mother. It is to be held by a student from New England selected by the President on the basis of merit and financial need.

The Bryn Mawr School Scholarship, value $300, instituted in 1885 by the Board of Managers of The Bryn Mawr School, of Baltimore, Maryland, is offered annually to the graduate of the Bryn Mawr School who has completed the school course with the most distinction and enters Bryn Mawr College.

The Lillia Babbitt Hyde Foundation Scholarships in Science and Pre-Medical Studies, value $650, were given in 1949. Two entrance scholarships will be awarded to Freshmen on the basis of need and excellence in Science.

SCHOLARSHIPS TENABLE IN THE SOPHOMORE YEAR

The James E. Rhoads Memorial Sophomore Scholarship, value $650, was founded in 1897 in memory of the first President of the College, Dr. James E. Rhoads, by the Alumnæ Association of Bryn Mawr College. It is awarded annually to a student who has attended lectures at Bryn Mawr College not less than one semester, has done excellent work, and expresses her intention of fulfilling the requirements for the degree of Bachelor of Arts at Bryn Mawr College.

The Maria Hopper Scholarships, two in number, value $200 each, were founded in 1901 by bequest of Maria Hopper of Philadelphia, and are awarded annually.

SCHOLARSHIPS TENABLE IN THE JUNIOR YEAR

The James E. Rhoads Memorial Junior Scholarship, value $650, was founded in 1897 in memory of the first President of the College, Dr. James E. Rhoads, by the Alumnæ Association of Bryn Mawr College. It is awarded annually to a student who has attended lectures at Bryn Mawr College not less than three semesters, has done excellent work, and expresses her intention of fulfilling the requirements for the degree of Bachelor of Arts at Bryn Mawr College.

The Anna Hallowell Memorial Scholarship, value $100, was founded in 1912 in memory of Anna Hallowell by her family. It is awarded annually to the student in need of aid who has the highest academic record.

The Mary E. Stevens Scholarship, value $500, founded in 1897 in memory of Mary E. Stevens by former pupils of her school, is awarded by the President of the College.

The Jeanne Crawford Hislop Memorial Scholarship, value $200 and annual accrued interest from the fund, was given in memory of Jeanne Crawford Hislop of the Class of 1940 by Mr. and Mrs. John H. Hislop and Mrs. Frederic W. Crawford. This scholarship may be renewed for the senior year.

SCHOLARSHIPS TENABLE IN THE SENIOR YEAR

The Anna M. Powers Memorial Scholarship, value $200, was founded in 1902 in memory of Anna M. Powers by her daughter, the late Mrs. J. Campbell Harris.

The Thomas H. Powers Memorial Scholarship, value $200, was founded in 1922 in memory of Thomas H. Powers by his daughter, the late Mrs. J. Campbell Harris.

SCHOLARSHIPS TENABLE IN THE SOPHOMORE, JUNIOR, OR SENIOR YEAR

The Mary Anna Longstreth Memorial Scholarship, carrying free tuition, was founded in 1913 in memory of Mary Anna Longstreth by alumnæ and children of alumnæ of the Mary Anna Longstreth School and by a few of her friends.

The Anna Powers Memorial Scholarship, value $150, was founded in 1919 in memory of Anna Powers of the Class of 1890 by her sister, Mrs. Charles Merrill Hough.

The Constance Lewis and Martha Rockwell Moorhouse 1904 Memorial Scholarship, value $500, has been given in memory of Constance Lewis and Martha Rockwell Moorhouse of the Class of 1904.

The Amelia Richards Scholarship, value $500, was founded in 1921 in memory of Amelia Richards of the Class of 1918 by bequest of her mother, Mrs. Frank P. Wilson. It is awarded annually by the Trustees on the nomination of the President.

The George Bates Hopkins Memorial Scholarships, two in number, value $200 each, were founded in memory of her father by Mrs. Elizabeth Hopkins Johnson, and are awarded annually. Preference is given to students of Music and, in default of these, to students majoring in History, and thereafter to students in other departments.

The Elizabeth Wilson White Memorial Scholarship, value $300, was founded in 1923 in memory of Elizabeth Wilson White by Mr. Thomas Raeburn White. It is awarded annually by the President.

The Abby Slade Brayton Durfee Scholarship, value $200, was founded in 1924 in honor of his wife by bequest of Randall Nelson Durfee. Preference in awarding it is given to candidates of English or American descent and to descendants of the Class of 1894.

The Misses Kirk Scholarship, value $100, was founded in 1929 in honor of the Misses Kirk by the Alumnæ Association of the Kirk School.

The Evelyn Hunt Scholarships, two in number, value $200 each, were founded in 1931 in memory of Evelyn Hunt of the Class of 1898 by bequest of Eva Ramsay Hunt.

The Mary McLean and Ellen A. Murter Memorial Fund was founded in 1933 in memory of her two aunts by bequest of Mary E. Stevens of Germantown, Philadelphia. By vote of the Board of Directors the income is used for an annual scholarship, value $200.

The Lila M. Wright Memorial Scholarship, value $100, was founded in 1934 in memory of Lila M. Wright by the alumnæ of Miss Wright's School.

The Shippen Huidekoper Scholarship, value $200, was founded in 1936, and is awarded annually on the nomination of the President.

The Anna Margaret Sloan and Mary Sloan Scholarships were founded in 1942 by bequest of Mary Sloan of Pittsburgh. The income from this fund amounting to $700 is awarded annually to students majoring in Philosophy or Psychology.

The Mary Williams Sherman Memorial Scholarship, value $100, was founded in 1942 by bequest of Bertha Williams of Princeton, New Jersey.

The Lorenz-Showers Scholarship Fund, value $100, was established in 1943 by Justina Lorenz Showers of Dayton, Ohio, of the Class of 1907, in honor of her parents, Edmund S. Lorenz and Florence K. Lorenz, and of her husband, John Balmer Showers.

The Jacob Orie and Elizabeth S. M. Clarke Memorial Scholarship, value $200, was established in 1948 from the estate of Elizabeth Clarke, to be awarded annually to a student born in the United States or any of its territories.

The Regina Katharine Crandall Scholarship was established in 1950 by a group of her students as a tribute to Regina Katharine Crandall, Margaret Kingsland Haskell Professor of English Composition from 1918 to 1933. The income from this fund is to be awarded on the recommendation of a Committee composed of the Dean of the College, a representative of the English Department, and a representative of another department chosen by the Dean, to a Sophomore, Junior, or Senior who in her written English has shown ability and promise, and who needs assistance to continue her college work.

The Book Shop Scholarships are awarded annually from the profits of the Bryn Mawr College Book Shop and from the income from the Book Shop Fund.

The Jacob Fussell Byrnes and Mary Byrnes Fund was founded, in 1948 in memory of her father and mother, by a bequest of Esther Fussell Byrnes of the Class of 1891. By vote of the Board of Directors the income is to be used for annual scholarships for students in need of financial aid.

The Jessie Ball du Pont Scholarship, given in 1948, is to be awarded for three years to a student or students from Virginia. The gift of $3000 is to provide scholarships for three years.

The Julia Langdon Loomis Scholarship, given in 1948 in memory of Julia Langdon Loomis of the Class of 1895, is to be awarded to a student from New Jersey. The gift of $2000 is to provide scholarships for four years.

The Lillia Babbitt Hyde Foundation Scholarships in Science and Pre-Medical Studies, value $650, were given in 1949. Two scholarships will be awarded to Juniors or Seniors majoring in Biology, Chemistry or Physics who need financial aid and have demonstrated ability.

The Mary Hamilton Swindler Scholarship was established in 1950 by a group of her friends and former students in honor of Mary Hamilton Swindler, Professor of Classical Archæology from 1931 to 1949. The income from this fund is to be used for a scholarship for the study of Archæology at Bryn Mawr College.

The Alice Perkins Coville Scholarship was established in 1948 by Agnes Frances Perkins for her sister, Alice Perkins Coville. The income from this scholarship fund is to be used to aid a deserving student in need of financial assistance.

OTHER AWARDS

The Alice Ferree Hayt Memorial Awards, given in 1922, are awarded annually by Mrs. E. Todd Hayt.

The Susan Shober Carey Award, value $100, was founded in memory of Susan Shober Carey by a gift of the Class of 1925, and is awarded annually by the President.

The Mary Peabody Williamson Scholarship, value $100, was founded in 1939 by bequest of Mary Peabody Williamson of the Class of 1903.

The Georgie W. Yeatman Scholarship, value $40, was founded in 1941 by bequest of Georgie W. Yeatman of Philadelphia.

SCHOLARSHIPS FOR MEDICAL STUDY

The Hannah E. Longshore Memorial Medical Scholarship was founded by Mrs. Rudolph Blankenburg in memory of her mother. The scholarship is awarded by a committee of the Faculty to a student who has been accepted by a medical school, and may be renewed for each year of medical study. Applications should be made in writing to the Dean of the College, stating the extent of the applicant's financial need, and her intention to engage in medical practice. Applications for renewal should include letters of recommendation from instructors in the medical school.

The Jane V. Myers Memorial Medical Scholarship was founded by Mrs. Rudolph Blankenburg in memory of her aunt. The scholarship is awarded by a committee of the Faculty to a student who has been accepted by a medical school, and may be renewed for each year of medical study. Applications should be made in writing to the Dean of the College, stating the extent of the applicant's financial need, and her intention to engage in medical practice. Applications for renewal should include letters of recommendation from instructors in the medical school.

The Linda B. Lange Fund was founded in 1948 by bequest of Linda B. Lange, of the Class of 1903. The income from this Fund will provide the Anna Howard Shaw Scholarship in Medicine and Public Health to be awarded on recommendation of the President and Faculty to a member of the graduating class or a graduate of the College for the pursuit, during an uninterrupted succession of years, of studies leading to the degrees of M.D. and Doctor of Public Health. The award may be continued until the degrees are obtained.

The Harriet Judd Sartain Memorial Scholarship Fund was founded in 1948 by bequest of Paul J. Sartain. The income from this Fund is to establish a scholarship which will be awarded to a member of the graduating class who in the judgment of the Faculty needs and is deserving of assistance for the study of medicine. This scholarship may be continued for the duration of her medical course.

STUDENTS' LOAN FUND

The Students' Loan Fund of the Alumnæ Association of Bryn Mawr College was founded by the Class of 1890 for the use of students who need to borrow money in order to continue their college work and for the purpose of receiving contributions, no matter how small, from those who are interested in helping students to obtain an education. The fund is managed by the Alumnæ Scholarships and Loan Fund Committee.

The committee in administering this money follows a definite policy, designed to serve the best interests of the students concerned. Loans may be used for any purpose approved by the committee, who strongly recommend the borrowing of small sums to relieve undue financial pressure, or to meet special emergencies. As a rule, money is not loaned to freshmen or to students in their first year of graduate work. No student may borrow more than an aggregate amount of $600 during her entire college course.

The terms under which money is loaned are as liberal as is consistent with business-like principles. While the student is in College interest is charged at the rate of one per cent; after the student leaves College the interest rate is two per cent. The entire principal must be repaid within five years from the time the student leaves College at the rate of twenty per cent each year.

Contributions to the Loan Fund may be sent to the Chairman of the Scholarships and Loan Fund Committee, Alumnæ Office, The Deanery, Bryn Mawr, Pennsylvania. Students who wish to borrow from the Loan Fund may obtain application blanks for this purpose from the Alumnæ Office, which is situated on the second floor of the Deanery.

MARY HILL SWOPE LOAN FUND

This was established June 1, 1945 by a gift of Mrs. Gerard Swope (Mary Hill, A.B. 1896) under the following conditions:

To assist in the education of young women irrespective of color or creed attending Bryn Mawr College, the income of the fund to be loaned to students in the following manner:

1. The following order of preference shall be followed in awarding such loans:
 A. To students coming from New Jersey.
 B. To students coming from Missouri.
 C. To students coming from any other location who have had not less than one year of residence at the College.
2. The loans in the above order of preference, and in the following manner, shall be awarded by the President of Bryn Mawr College, or by a Committee appointed by her from time to time.
3. Applicants for loans shall be considered not only from the standpoint of academic attainment and financial need, but also from the standpoint of character and personal qualifications for deriving the greatest good from a continuation of their studies.
4. These loans shall be used primarily to enable the exceptional student to continue her studies which otherwise would be prevented through lack of means.
5. In the awarding of the loans, the recipient should understand that if in after years she is in a position to do so, she is to repay to the income account of the Loan Fund the amount so loaned to her, with or without interest. It is to be understood that this is entirely a moral obligation upon the recipient.

THE BUREAU OF RECOMMENDATIONS

The College conducts a Bureau of Recommendations for alumnæ, students, and former students of the College. This bureau offers an employment service for permanent, temporary, and part-time positions; and a vocational service for the student body, which includes vocational tests, assistance in choosing a vocation, and the presentation of a series of conferences and lectures. It also acts as a clearing house for letters of recommendation for those who have registered with the bureau. These letters will be sent, upon request, to prospective employers and other agencies.

BEQUEST FORM

The Trustees of Bryn Mawr College will welcome any gift, bequest, or award which is to be devoted to general endowment, or to the endowment of professors' chairs, scholarships, or fellowships in accordance with the wishes of the donor. Such funds may constitute memorials to the donor or to any person he may name. The sum of $200,000 will endow a professor's chair and the sum of $18,000 yields sufficient income to provide the present tuition for one student at Bryn Mawr College.

Form of Bequest

I give and bequeath to the Trustees of Bryn Mawr College, a corporation established by law in the Commonwealth of Pennsylvania, the sum of.....to be invested and preserved inviolably for the endowment of Bryn Mawr College, located at Bryn Mawr, Pennsylvania.

.....

Date.....

Bryn Mawr College

CALENDAR

GRADUATE COURSES

ISSUE FOR THE SESSION OF

1951 · 1952

JUNE 1951

FOREWORD

Bryn Mawr College was founded by Dr. Joseph Taylor of Burlington, New Jersey. During his lifetime the site of the College at Bryn Mawr, Pennsylvania, eleven miles west of Philadelphia, was purchased and the buildings were begun. At his death in January, 1880, he left the greater part of his estate for the maintenance of this institution of higher education for women. In 1880 the College was incorporated under the laws of the Commonwealth of Pennsylvania and was invested with the power to confer degrees. In 1883 the Trustees issued a circular of information. In 1884 Dr. James E. Rhoads was elected President of the College and Dr. M. Carey Thomas was elected Dean of the Faculty. Plans were then matured and academic appointments were made. In the autumn of 1885 the College began its first academic year. On the resignation of President Rhoads in 1893 Dean Thomas was elected to the presidency, an office she held till her retirement in 1922. President Marion Edwards Park succeeded President Thomas in 1922 and retired in 1942. President Katharine Elizabeth McBride took office on July 1, 1942.

The Graduate School of Bryn Mawr College gives advanced instruction and fosters research in the fields of ancient and modern languages and literatures, art and archæology, mathematics and the natural sciences, the social sciences, philosophy and psychology, and education. The College offers special opportunities to its graduate students to investigate problems in small seminaries under the personal direction of members of the faculty. It has been the policy of the Trustees to provide in every fully organized department for graduate as well as undergraduate study.

Bryn Mawr College confers the degrees of Bachelor of Arts, Master of Arts, Master of Social Service, and Doctor of Philosophy.

CALENDAR

1951-1952

SEPTEMBER

S	M	T	W	T	F	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30						

OCTOBER

S	M	T	W	T	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
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APRIL

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COLLEGE CALENDAR

1951-1952

1951

FIRST SEMESTER

September	24.	Graduate Center open to new graduate students at 9 A.M. Registration of new graduate students
	25.	Halls of Residence open to all returning graduate and undergraduate students at 8 P.M.
	26.	Registration of students
	27.	Work of the 67th academic year begins at 8.45 A.M.
October	13.	German examinations for undergraduates, M.A. and Ph.D. candidates
	*20.	French examinations for undergraduates, M.A. and Ph.D. candidates
	27.	Spanish and Italian examinations for undergraduates, M.A. and Ph.D. candidates Statistics examinations for M.A. candidates
November	3.	Hygiene examination
	21.	Thanksgiving holiday begins after last class
	26.	Thanksgiving holiday ends at 9 A.M.
December	14.	Christmas vacation begins at 12.45 P.M.

1952

January	3.	Christmas vacation ends at 9 A.M.
	12.	German examinations for Seniors conditioned, M.A. and Ph.D. candidates
	18.	Last day of lectures
	*19.	French examinations for Seniors conditioned, M.A. and Ph.D. candidates
	21.	Collegiate examinations begin
	26.	Spanish and Italian examinations for Seniors conditioned, M.A. and Ph.D. candidates Statistics examinations for M.A. candidates
February	2.	Collegiate examinations end

SECOND SEMESTER

February	5.	Work of the second semester begins at 9 A.M.
March	28.	Spring vacation begins after last class
April	7.	Spring vacation ends at 9 A.M. Deferred examinations begin
	12.	Deferred examinations end
	19.	Hygiene examination
	26.	French examinations for undergraduates, Ph.D. candidates, and M.A. candidates for 1953
May	* 3.	Spanish and Italian examinations for undergraduates, Ph.D. candidates, and M.A. candidates for 1953
	10.	German examinations for undergraduates, Ph.D. candidates, and M.A. candidates for 1953
	16.	Last day of lectures
	19.	Collegiate examinations begin
	30.	Collegiate examinations end
June	1.	Baccalaureate service
	3.	Conferring of degrees and close of the 67th academic year

* Additional language examinations (Greek, Russian, etc.) will be scheduled during this period in relation to other examinations of the students concerned.

CALENDAR

1952-1953

SEPTEMBER

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NOVEMBER

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1953
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FEBRUARY

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MARCH

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JUNE

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21	22	23	24	25	26	27
28	29	30				

COLLEGE CALENDAR

1952-1953

FIRST SEMESTER

1952

September	27.	Graduate Center open to new graduate students at 9 A.M.
		Registration of new graduate students
	28.	Halls of Residence open to all returning graduate and undergraduate students at 8 P.M.
	29.	Registration of students
	30.	Work of the 68th academic year begins at 8.45 A.M.
November	26.	Thanksgiving holiday begins after last class
December	1.	Thanksgiving holiday ends at 9 A.M.
	19.	Christmas vacation begins at 12.45 P.M.

1953

January	5.	Christmas vacation ends at 9 A.M.
	16.	Last day of lectures
	19.	Collegiate examinations begin
	30.	Collegiate examinations end

SECOND SEMESTER

February	2.	Work of the second semester begins at 9 A.M.
March	27.	Spring vacation begins after last class
April	7.	Spring vacation ends at 9 A.M.
May	15.	Last day of lectures
	18.	Collegiate examinations begin
	29.	Collegiate examinations end
June	2.	Conferring of degrees and close of the 68th academic year

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THE TRUSTEES OF BRYN MAWR COLLEGE

CHARLES J. RHOADS
President

THOMAS RAEBURN WHITE
FREDERIC H. STRAWBRIDGE
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J. HENRY SCATTERGOOD
Treasurer

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Secretary

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RICHARD MOTT GUMMERE
J. HENRY SCATTERGOOD
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MILLICENT CAREY MCINTOSH[2]
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J. EDGAR RHOADS
C. CANBY BALDERSTON
ELIZABETH GRAY VINING[3]
FREDERIC C. SHARPLESS
HENRY JOEL CADBURY

BOARD OF DIRECTORS

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President

CAROLINE MCCORMICK SLADE[4]
RICHARD MOTT GUMMERE
Vice-Presidents

J. HENRY SCATTERGOOD
Treasurer

AGNES BROWN LEACH[1]
Secretary

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HENRY JOEL CADBURY
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CAROLINE MCCORMICK SLADE[4]

JOSEPHINE YOUNG CASE[5]
ADELAIDE W. NEALL
ELEANOR LITTLE ALDRICH[6]
ELEANOR A. BLISS
J. TYSON STOKES
HELEN TREDWAY GRAHAM[7]
Alumnæ Director, 1946-51
JEAN T. PALMER
Alumnæ Director, 1947-52
HELEN HILL MILLER[8]
Alumnæ Director, 1948-53
ELEANOR NEWELL BURRY[9]
Alumnæ Director, 1949-54
EMILY R. CROSS
Alumnæ Director, 1950-55

MARION EDWARDS PARK, by invitation
President Emeritus of Bryn Mawr College

HILDA THOMAS MUMFORD,[10] by invitation
President of Alumnæ Association

1 Mrs. Henry Goddard Leach.
2 Mrs. Rustin McIntosh.
3 Mrs. Morgan Vining.
4 Mrs. F. Louis Slade. Deceased January 12, 1951.
5 Mrs. Everett N. Case.
6 Mrs. Talbot Aldrich.
7 Mrs. Evarts Graham.
8 Mrs. Helen Hill Miller.
9 Mrs. William Burry.
10 Mrs. Thomas D. Mumford.

Standing Committees of the Board of Directors for 1951

Executive Committee

THOMAS RAEBURN WHITE
Chairman

CAROLINE MCCORMICK SLADE[1]
Vice-Chairman

CHARLES J. RHOADS
J. HENRY SCATTERGOOD
AGNES BROWN LEACH
J. EDGAR RHOADS
KATHARINE ELIZABETH MCBRIDE
JOSEPHINE YOUNG CASE
ADELAIDE W. NEALL
ELEANOR A. BLISS
JEAN T. PALMER
HENRY J. CADBURY

Committee on Religious Life

KATHARINE ELIZABETH MCBRIDE
Chairman

MILLICENT CAREY MCINTOSH
FRANCIS J. STOKES
ADELAIDE W. NEALL
HENRY J. CADBURY
ELIZABETH GRAY VINING

Buildings and Grounds Committee

FRANCIS J. STOKES, *Chairman*
FREDERIC H. STRAWBRIDGE
J. EDGAR RHOADS
KATHARINE ELIZABETH MCBRIDE
ELEANOR A. BLISS
ELEANOR N. BURRY

Library Committee

KATHARINE ELIZABETH MCBRIDE
Chairman

RICHARD MOTT GUMMERE
ELEANOR LITTLE ALDRICH
HELEN TREDWAY GRAHAM
EMILY R. CROSS

Finance Committee

CHARLES J. RHOADS, *Chairman*
J. HENRY SCATTERGOOD
AGNES BROWN LEACH
CAROLINE MCCORMICK SLADE[1]
ELEANOR LITTLE ALDRICH
HELEN HILL MILLER
J. TYSON STOKES

Deanery Committee

ADELAIDE W. NEALL, *Chairman*
ELEANOR A. BLISS, *Vice-Chairman*
HELEN TREDWAY GRAHAM, *Secretary*

AGNES BROWN LEACH[2]
MILLICENT CAREY MCINTOSH
ELIZABETH GRAY VINING
KATHARINE ELIZABETH MCBRIDE
CAROLINE MCCORMICK SLADE[1]
JOSEPHINE YOUNG CASE
ELEANOR LITTLE ALDRICH
JEAN T. PALMER
HELEN HILL MILLER
ELEANOR NEWELL BURRY
EMILY R. CROSS

[1] Deceased January 12, 1951.
[2] By invitation.

COLLEGE ADMINISTRATION

Academic Year 1950-1951

President:
Katharine Elizabeth McBride, Ph.D., LL.D., L.H.D., Sc.D.
Office: Taylor Hall.

Dean of the College: Dorothy Nepper Marshall, Ph.D.
Office: Taylor Hall.

Dean of the Graduate School: Lily Ross Taylor, Ph.D., Litt.D.
Office: The Library.

Dean of Freshmen and Director of Admissions:
Annie Leigh Broughton, M.A.[1]
Office: Taylor Hall.

Assistant to the President and Acting Director-elect of Admissions:
Margaret Tyler Paul, A.B.
Office: Taylor Hall.

Assistant Dean-elect of the College: Catherine H. Fales, Ph.D.
Office: Taylor Hall.

Comptroller: Raymond G. Buckley
Office: Taylor Hall.

Field Secretary and Assistant to the Director of Admissions:
Nancy Martin, A.B.
Office: Taylor Hall.

Foreign Student Adviser: Martha M. Diez, M.A.

Halls, Director of, and Head Warden:
Charlotte Brandon Howe, M.A.
Office: Rockefeller Hall.

Librarian: Janet Margaret Agnew, B.L.S., M.A.
Office: The Library.

Physical Education, Director of: Irene A. Clayton, M.S.
Office: The Gymnasium.

Physician, College: Elizabeth Humeston, M.D.
Office: The Infirmary.

Physician, Assistant College: Isaac Sharpless, M.D.
Office: The Infirmary.

Psychiatrist, Consulting: Howard B. Smith, M.D.
Office: The Infirmary.

1 Granted leave of absence for the year 1951-52.

Public Relations, Director of: CAROL BIBA, A.B.
Office: Taylor Hall.

Public Relations, Assistant to the Director of, in Charge of Publications: MARGARET SIMPSON DAVID, M.A.
Office: Taylor Hall.

Recommendations, Acting Director of Bureau of:
ISABELLA H. WATSON, A.B.
Office: Taylor Hall.

Recommendations, Adviser in the Bureau of:
PHYLLIS MARTIN SULLIVAN, A.B.
Office: Taylor Hall.

Recorder of the College: MARIAN CARTER ANDERSON, B.S.
Office: Taylor Hall.

Superintendent: HORACE T. SMEDLEY
Office: Rockefeller Hall.

Treasurer, Assistant to the: SANDY LEE HURST
Office: Taylor Hall.

Warden of Denbigh Hall: ELIZABETH D. HORRAX, A.B.

Warden of Merion Hall: ISABEL HOWLAND WITTE, A.B.

Warden of Pembroke Hall East: JANET ELIZABETH GROFF, M.A.

Warden of Pembroke Hall West: ALICE MARY LITWINCHUK, M.A.

Warden of Radnor Hall: PAULINE ROSE UTZINGER, A.B.

Warden of Rhoads Hall North: ROBERTA M. PAINE, A.B.

Warden of Rhoads Hall South: JEAN A. POTTER, M.A.

Warden of Rockefeller Hall and Assistant to the Dean:
LOUISA SHANNON DUBOSE, M.A.

Warden of Wyndham (French House):
YVONNE M. J. GUERS, *Licenciée-ès-Lettres*

Senior Resident of Graduate Center:
ANNE H. MARTIN, M.A.

FACULTY AND STAFF

ACADEMIC YEAR, 1950-1951

KATHARINE ELIZABETH MCBRIDE, Ph.D., LL.D., L.H.D., Sc.D., *President of the College.*

MARION EDWARDS PARK, Ph.D., LL.D., *President Emeritus of the College.*

DOROTHY NEPPER MARSHALL, Ph.D., *Dean of the College.*

LILY ROSS TAYLOR, Ph.D., Litt.D., *Dean of the Graduate School and Professor of Latin.*

ANNIE LEIGH BROUGHTON, M.A., *Dean of Freshmen and Director of Admissions.*

WILMER CAVE WRIGHT, Ph.D., *Professor Emeritus of Greek.*

REGINA KATHARINE CRANDALL, Ph.D., *Professor Emeritus of English Composition.*

GRACE MEAD ANDRUS DE LAGUNA, Ph.D., *Professor Emeritus of Philosophy.*

CHARLES GHEQUIERE FENWICK, Ph.D., LL.D., *Professor Emeritus of Political Science.*

EUNICE MORGAN SCHENCK, Ph.D., *Professor Emeritus of French.*

ANNA PELL WHEELER, Ph.D., Sc.D., *Professor Emeritus of Mathematics.*

MARY HAMILTON SWINDLER, Ph.D., LL.D., *Professor Emeritus of Classical Archæology.*

CORNELIA LYNDE MEIGS, A.B., *Professor Emeritus of English Composition.*

SAMUEL CLAGGETT CHEW, Ph.D., Litt.D., *Mary E. Garrett Alumnæ Professor of English Literature and Holder of the Mary Hill Swope Grant.*

RHYS CARPENTER, Ph.D., Litt.D., *Professor of Classical Archæology and Holder of the Julius and Sarah Goldman Grant.*

JAMES LLEWELLYN CRENSHAW, Ph.D.,[1] *Professor of Physical Chemistry.*

HELEN TAFT MANNING, Ph.D., LL.D., *Marjorie Walter Goodhart Professor of History.*

HORACE ALWYNE, F.R.M.C.M., *Alice Carter Dickerman Professor of Music and Director of the Department of Music.*

1 On sabbatical leave for the year 1950-51. Deceased, November 22, 1950.

ROGER HEWES WELLS, Ph.D., *Professor of Political Science.*

MAX DIEZ, Ph.D., *Professor of German Literature.*

GRACE FRANK, A.B.,[1] *Non-resident Professor of Old French.*

STEPHEN JOSEPH HERBEN, B.Litt., Ph.D., *Professor of English Philology.*

FRITZ MEZGER, Ph.D., *Professor of Germanic Philology.*

THOMAS ROBERT SHANNON BROUGHTON, Ph.D.,[1] *Professor of Latin.*

EDWARD H. WATSON, Ph.D., *Professor of Geology.*

MILTON CHARLES NAHM, B.Litt., Ph.D., *Professor of Philosophy.*

WALTER C. MICHELS, Ph.D., *Marion Reilly Professor of Physics.*

MARGARET GILMAN, Ph.D.,[2] *Professor of French.*

LINCOLN DRYDEN, Ph.D., *Professor of Geology.*

FLORENCE PETERSON, M.A., *Professor of Social Economy and Director of the Graduate Department of Social Economy and Social Research.*

CAROLINE ROBBINS, Ph.D., *Professor of History.*

RICHMOND LATTIMORE, Ph.D., *Paul Shorey Professor of Greek.*

K. LAURENCE STAPLETON, A.B., *Professor of English and of Political Theory.*

ALEXANDER COBURN SOPER, III, M.F.A., Ph.D., *Professor of History of Art.*

MARY SUMMERFIELD GARDINER, Ph.D., *Professor of Biology.*

GERMAINE BRÉE, *Agrégée de l'Université, Professor of French.*

MILDRED BENEDICT NORTHROP, Ph.D., *Professor of Economics.*

FELIX GILBERT, Ph.D., *Professor of History.*

ARTHUR COLBY SPRAGUE, Ph.D.[1] *Professor of English.*

JOSEPH CURTIS SLOANE, M.F.A., Ph.D., *Associate Professor and Professor-elect of History of Art.*

MARION HATHWAY, Ph.D., *Professor-elect of Social Economy and Director-elect of the Graduate Department of Social Economy and Social Research.*

PAUL SCHRECKER, Ph.D., LL.D., *Visiting Professor of Philosophy.*

MARGUERITE LEHR, Ph.D., *Associate Professor of Mathematics.*

ANGELINE HELEN LOGRASSO, Ph.D., *Associate Professor of Italian.*

MYRA RICHARDS JESSEN, Ph.D., *Associate Professor of German.*

DOROTHY WYCKOFF, Ph.D., *Associate Professor of Geology.*

BERTHE MARIE MARTI, Ph.D.,[3] *Associate Professor of Latin and French.*

[1] Granted sabbatical leave for the year 1951-52.
[2] On leave of absence for the year 1950-51.
[3] On sabbatical leave for the year 1950-51.

Richard Bernheimer, Ph.D.,[1] *Associate Professor of History of Art, on joint appointment with Haverford College.*

Mary Katharine Woodworth, Ph.D., *Associate Professor of English.*

Hertha Kraus, Ph.D.,[1] *Carola Woerishoffer Associate Professor of Social Economy.*

John Corning Oxtoby, M.A., *Associate Professor of Mathematics.*

Isabel Scribner Stearns, Ph.D.,[2] *Associate Professor of Philosophy.*

Agnes Kirsopp Lake Michels, Ph.D., *Associate Professor of Latin.*

L. Joe Berry, Ph.D., *Associate Professor of Biology.*

Jane Marion Oppenheimer, Ph.D.,[3] *Associate Professor of Biology.*

Ernst Berliner, Ph.D., *Associate Professor of Chemistry.*

Joshua C. Hubbard, Ph.D.,[1] *Associate Professor of Economics.*

Frederick Wakefield Thon, M.F.A., *Theresa Helburn Associate Professor of the Drama.*

Frederica de Laguna, Ph.D., *Associate Professor of Anthropology.*

Rachel Dunaway Cox, Ph.D., *Associate Professor of Education and Psychology.*

Bettina Linn, M.A., *Associate Professor of English.*

George P. Cuttino, D.Phil.,[4] *Associate Professor of History, on joint appointment with Swarthmore College.*

Geddes MacGregor, B.D., LL.B., D.Phil., F.R.S.L., *Rufus M. Jones Associate Professor of Philosophy and Religion.*

Mabel Louise Lang, Ph.D., *Associate Professor of Greek.*

Manuel Alcalá, Litt.D., *Associate Professor of Spanish.*

Robert L. Goodale, A.B., B.Mus., A.A.G.O., *Assistant Professor and Associate Professor-elect of Music.*

José Maria Ferrater Mora, *Licenciado en Filosofía, Lecturer and Associate Professor-elect of Spanish and Philosophy.*

Mary Margaret Zender, M.A., M.S.S., *Lecturer and Associate Professor-elect of Social Economy.*

Frances de Graaff, Ph.D., *Assistant Professor of Russian, on joint appointment with Haverford College.*

Lindley J. Burton, Ph.D., *Assistant Professor of Mathematics.*

[1] Granted sabbatical leave for the year 1951-52.
[2] Granted leave of absence for the year 1951-52.
[3] On leave of absence for the year 1950-51.
[4] On leave of absence Semester II, 1950-51, and granted leave of absence for the year 1951-52.

ROSALIE C. HOYT, Ph.D., *Assistant Professor of Physics.*

PETER BACHRACH, Ph.D., *Assistant Professor of Political Science.*

HUGUES LEBLANC, Ph.D., *Assistant Professor of Philosophy.*

JOE KENNEDY ADAMS, Ph.D.,[1] *Assistant Professor of Psychology.*

HAROLD KWART, Ph.D., *Assistant Professor of Chemistry.*

MACHTELD JOHANNA MELLINK, Ph.D., *Assistant Professor of Classical Archæology.*

JOHN R. PRUETT, Ph.D., *Assistant Professor of Physics.*

EDITH HAMILTON LANMAN, M.A., *Assistant Professor of Chemistry.*

MARTHA M. DIEZ, M.A., *Assistant Professor of German.*

HEINZ POLITZER, Ph.D., *Assistant Professor of German.*

GERTRUDE C. K. LEIGHTON, A.B., LL.B., *Assistant Professor of Political Science.*

ARTHUR P. DUDDEN, Ph.D., *Assistant Professor of History.*

JOHN I. MICHAELS, JR., M.A., *Certificate* of the Russian Institute, Columbia University, *Assistant Professor of Political Science, on joint appointment with Haverford College and Swarthmore College.*

FRANK S. PARKER, Ph.D., *Assistant Professor of Biology.*

EUGENE V. SCHNEIDER, Ph.D., *Assistant Professor-elect of Sociology.*

MAURICE GONNAUD, *Agrégé de l'Université, Assistant Professor-elect of French.*

WARNER D. BERTHOFF, M.A., *Assistant Professor-elect of English.*

GEORGE L. ZIMMERMAN, Ph.D., *Assistant Professor-elect of Chemistry.*

MURIEL JANET GAYFORD, M.S.P.A., *Lecturer in Medical Social Case Work.*

KATHERINE D. K. LOWER, Ph.D., *Lecturer in Social Economy.*

FRANK BARRON, Ph.D., *Lecturer in Psychology.*

CATHERINE H. FALES, Ph.D., *Lecturer in Biology.*

ESTHER R. B. PESE, Ph.D., *Lecturer in French.*

ANTONIN THIOLLIER, *Doctorat en droit, Lecturer in French.*

MAXINE WOOLSTON, Ph.D., *Lecturer-elect in Economics.*

JEAN A. POTTER, M.A., *Lecturer-elect in Philosophy.*

STEPHEN E. WHICHER, Ph.D., *Visiting Lecturer in American Literature.*

ANGEL DEL RIO, *Doctor en Filosofía, Visiting Lecturer in Spanish.*

[1] Granted leave of absence for Semester II of the year 1951-52.

Theodor Ernst Mommsen, D.Phil., *Visiting Lecturer-elect in History.*

William J. Roach, Ph.D., *Visiting Lecturer-elect in French.*

M. Royden C. Astley, M.D., *Special Lecturer in Psychiatric Information.*

Arthur M. Rogers, M.D., *Special Lecturer in Medical Information.*

Eleanor Alice Steele, M.A., M.D., *Special Lecturer in Psychiatric Information.*

Murray Gordon de Jersey, M.A., *Instructor in Psychology.*

Deborah Sands Austin, M.A., *Instructor in English.*

Margarita Esteves, M.A., *Instructor in Spanish.*

Charlotte Schnakenberg, A.B., *Instructor in English.*

Edward P. Morris, B.A., *Instructor in French.*

Olga Lamkert, *Instructor in Russian, on joint appointment with Swarthmore College.*

Dorothy Elvira Fletcher, M.A., *Instructor in Psychology.*

Frances Bondhus Berliner, Ph.D., *Instructor in Chemistry.*

Annette McCormick, Ph.D., *Instructor in English.*

Hildegarde Hunt VonLaue, A.B., *Instructor in German.*

Anthony F. C. Wallace, M.A., *Instructor in Sociology.*

Sandra Wool, M.A., *Instructor in English.*

Isabel Witte, A.B., *Instructor in History, Semester II, and Instructor-elect.*

Helen M. Hunter, M.A., *Assistant and Instructor-elect in Economics.*

Marianne Bogojavlenskij, M.A., *Instructor-elect in Russian.*

Mary L. Heuser, M.A., *Instructor-elect in History of Art.*

Nanette Clair Emery, M.A., *Instructor-elect in Spanish.*

Henrietta Huff Landes, A.B.,[1] *Curator of Slides and Photographs.*

William H. Reese, Ph.D., *Director of Orchestra.*

Fritz Janschka, *Artist in Residence.*

Eileen Beier Maher, M.A., *Demonstrator in Psychology.*

1 On leave of absence for the year 1950-51.

JANE H. WALLACE, M.A., *Demonstrator in Geology.*

JOAN FULTON WHITE, A.B., *Demonstrator in Biology.*

ANNA RUTH BRUMMETT, M.A., *Demonstrator in Biology.*

RYDA DWARYS ROSE, A.B., *Demonstrator in Biology.*

MARGARET JEAN MCAVOY, B.Sc., *Demonstrator in Physics.*

IRINA NELIDOW, A.B., *Demonstrator in Chemistry.*

IRENE R. WARAKSA, A.B., *Demonstrator in Geology.*

ESTHER RENNERT ZUCKER, A.B., *Demonstrator in Physics.*

JULIE ANN JAEKEL, A.B., *Demonstrator-elect in Geology.*

GEORGIANNA W. SCOVIL, B.S., *Demonstrator-elect in Physics.*

NORMA A. BASSETT, A.B., *Demonstrator-elect in Psychology.*

EDITH H. WINICOV, A.B., *Demonstrator-elect in Chemistry.*

BERNICE NEWMAN, A.B., *Demonstrator-elect in Chemistry.*

ELIZABETH E. BOOTH, A.B., *Assistant in Music.*

LUCILLE FEIDEN RABIN, M.A., *Assistant in History of Art.*

MARIANNE WINTER MARTIN, M.A., *Assistant in History of Art.*

HELEN NORTHEN, M.S., *Assistant in Social Economy.*

CORLETTE ROSSITER, M.A., *Assistant in History of Art.*

EVELYN LORD SMITHSON, M.A., *Assistant in Classical Archæology.*

ELIZABETH CATESBY SPEARS, A.B., *Assistant in Philosophy.*

LOUISA SHANNON DUBOSE, M.A., *Assistant-elect in Philosophy.*

ELLEN D. PSATY, M.A., *Assistant-elect in History of Art.*

JEAN PURINTON, M.A., *Reader in Mathematics.*

LIBRARY

JANET MARGARET AGNEW, B.L.S., M.A., Librarian.

SARAH GEIST, A.B., A.M.L.S., *Head Circulation and Reference Librarian.*

JANE WALKER, B.S., *Head Cataloguer.*

ETHEL W. WHETSTONE, A.B., A.B. in L.S., *Library Assistant in the Quita Woodward Wing.*

MARGARET M. FARRELL, A.B., B.S. in L.S., *Assistant Cataloguer.*

RENATA VON SCHELIHA, M.S., Ph.D., *Assistant Cataloguer.*

JEAN RICHMOND BARTLE, B.S., B.S. in L.S., *Science and Serials Librarian.*

Halls of Residence

Charlotte Brandon Howe, M.A., *Director of Halls and Head Warden.*

Elizabeth D. Horrax, A.B., *Warden of Denbigh.*

Isabel Howland Witte, A.B., *Warden of Merion.*

Janet Elizabeth Groff, M.A., *Warden of Pembroke East.*

Alice Mary Litwinchuk, M.A., *Warden of Pembroke West.*

Pauline Rose Utzinger, A.B., *Warden of Radnor.*

Roberta M. Paine, A.B., *Warden of Rhoads North.*

Jean A. Potter, M.A., *Warden of Rhoads South.*

Louisa Shannon DuBose, M.A., *Warden of Rockefeller.*

Yvonne M. J. Guers, *Licenciée-ès-Lettres, Warden of Wyndham (French House).*

Anne H. Martin, M.A., *Senior Resident of Graduate Center.*

Nanette Clair Emery, M.A., *Warden-elect.*

Joanne H. Mott, A.B., *Warden-elect.*

Health

The Deans of the College, *ex officio.*

Elizabeth Humeston, M.D., *College Physician.*

Isaac Sharpless, M.D., *Assistant College Physician.*

Howard B. Smith, M.D., *Consulting Psychiatrist.*

Irene A. Clayton, M.S., *Director of Physical Education.*

Physical Education

Irene A. Clayton, M.S., *Director of Physical Education.*

Ethel M. Grant, *Instructor in Physical Education.*

Janet A. Yeager, *Instructor in Physical Education.*

Emelia-Louise Jepson Kilby, M.A., *Instructor in Physical Education.*

Helene Savad, M.S., *Instructor-elect in Physical Education.*

Business Administration

Charlotte Brandon Howe, M.A., *Director of Halls.*

Sandy Lee Hurst, *Assistant to the Treasurer.*

Raymond G. Buckley, *Comptroller.*

Horace T. Smedley, *Superintendent.*

Josephine Falcone McCusker, *Purchasing Agent and Manager of the Business Office.*

Marjorie E. Bacheller, B.S., *Dietitian.*

William J. Burke, *Fire Chief.*

ADMISSION

The Graduate School is open to qualified graduates in liberal arts courses of colleges or universities of acknowledged standing. Application for admission, to be made to the Dean of the Graduate School, should be accompanied by a copy of the student's full academic record and by letters from the Dean and from two or more professors of the applicant's undergraduate college. Admission to graduate courses is under the jurisdiction of the various departments which may, at their discretion, require students whose preparation is insufficient to pursue certain introductory courses before being enrolled in a graduate course. Admission to the Graduate School does not automatically qualify a student to become a candidate for an advanced degree. Students whose courses of study meet the prerequisites may on application to the Graduate Committee be enrolled as candidates for the Degrees of Master of Arts, Master of Social Service, or Doctor of Philosophy.

Men as well as women are admitted to the Graduate School and are accepted as candidates for the Degrees of Master of Arts, Master of Social Service, and Doctor of Philosophy.

Graduate Record Examination. The Bryn Mawr Graduate School recognizes as contributory evidence of the qualifications of a student for admission a record of attainment in the Graduate Record Examination as prepared and administered by the Educational Test Service. This examination is a convenient method by which a student may supplement transcript records. Applicants for admission to the Graduate School who wish to take the examination should apply directly to the Graduate Record Examination, P.O. Box 592, Princeton, N. J., where full information may be secured and arrangements for taking the test may be made. There is a fee of $3.00.

COURSES OF STUDY

1951-1952

Graduate courses are offered in the Departments of Biology, Chemistry, Classical Archæology, Comparative Philology and Linguistics, Economics, Educational Psychology, English, French, Geology, German, Greek, History, History of Art, Italian, Latin, Mathematics, Music, Philosophy, Physics, Political Science, Psychology, Social Economy and Social Research, Sociology and Anthropology, and Spanish.

All undergraduate and graduate courses of the College are open to properly qualified graduate students. Only advanced and elective and a few second year undergraduate courses are described in this calendar. For the complete undergraduate program see the Calendar of Undergraduate Courses.

Graduate and undergraduate courses at the University of Pennsylvania are also available for graduate students of Bryn Mawr College. By a reciprocal arrangement with the University holders of fellowships and scholarships at Bryn Mawr College are admitted without tuition charge to courses at the University for which they are qualified.

Three units of graduate work, each planned to take a third of the student's time, constitute a full program, and not more than three such courses may be elected by a student. The units of graduate work are of two types:

1. The graduate course or seminary, described under the departmental announcements.
2. An independent unit of graduate work, equivalent to a graduate course or seminary, planned and examined by an instructor but carried on independently by the student. Such work may consist of reading with assigned reports, research with results submitted, or a combination of both.

The prerequisites for graduate courses, approximately twenty semester hours of undergraduate work in the subject, are established by the various departments. In special cases, with the approval of the department concerned, work in related subjects of equivalent value may be accepted.

It is the practice of most departments to vary the graduate courses and seminaries from year to year so that a candidate for the degree of Doctor of Philosophy may pursue the work for several successive years. In special cases the announced order may be changed either because of changes in the teaching staff or in order to meet the needs of the students. The College reserves the right to make such changes.

In many departments the instructors and graduate students meet from time to time in a Journal Club to discuss recent publications in their field of study. Students will be notified by their respective departments of arrangements for the Journal Clubs.

Every graduate student must register her courses at the Office of the Dean of the Graduate School within two weeks after entering the College. Permission to make any change in registration must be received from the Dean of the Graduate School.

Approved major and allied subjects for all departments are listed in the printed Regulations for the Degrees of Master of Arts and Doctor of Philosophy.

The Plan for Coordination of the Sciences offers special training in borderline subjects. A gift from the Carnegie Corporation enables the College to award scholarships to qualified students in such fields as biophysics, geophysics, and geochemistry. As such work demands a thorough knowledge of the fundamentals of at least two sciences, it is often impossible for students to include all the desired courses in four undergraduate years; these scholarships are intended primarily to provide for an additional year (mainly in the Undergraduate School) so that the student may be ready, at the end of five years, to begin graduate work in her chosen correlated fields. In addition to the sum allotted to scholarships part of the annual income from the Carnegie fund is set aside for special courses in related subjects. These courses vary from year to year with the needs and interests of the students in science.

Undergraduate courses in each department are numbered according to the following system:

301, 302, etc.....indicate advanced courses in major work.

*.....indicates elective courses.

"a".....the letter "a", following a number, indicates a half-course given in the first semester.

"b".....the letter "b", following a number, indicates a half-course given in the second semester.

"c".....the letter "c", following a number, indicates a half-course given two hours a week throughout the year.

[].....Square brackets enclosing the titles of courses indicate that, although the courses are regular parts of the program, they are not given in the current year.

Biology

PROFESSOR: MARY SUMMERFIELD GARDINER, Ph.D.
ASSOCIATE PROFESSORS: L. JOE BERRY, Ph.D.
JANE MARION OPPENHEIMER, Ph.D.
ASSISTANT PROFESSOR: FRANK S. PARKER, Ph.D.

Students may specialize either in animal morphology or in physiology (biochemistry or biophysics). Each seminary meets two or three hours weekly.

Seminary: Cytology: Dr. Gardiner.

Seminary: Embryology: Dr. Oppenheimer.

Seminary: Physiology: Dr. Berry.

Seminary: Physiological Chemistry: Dr. Parker.

Advanced Undergraduate Courses

[301. *Microscopic Anatomy:* Dr. Gardiner.]

A study of tissues and cells, with instruction in the theory and technique of preparing material for histological and cytological examination. Two lectures, six hours laboratory a week.

302. *Genetics:* Dr. Gardiner.

An historical review of the theories of inheritance, and an introduction to modern genetic theories and techniques. Two lectures, six hours laboratory a week.

[303. *Embryology:* Dr. Oppenheimer.]

Embryology of the vertebrates with consideration of theoretical questions of embryological interest. Two lectures, six hours (minimum) laboratory a week.

[304. *Physiology of Micro-organisms:* Dr. Berry, Dr. Parker.]

Morphology, physiology and immunochemistry of the bacteria, with a consideration of photosynthetic and chemosynthetic as well as parasitic forms, bacteriophages and other viruses. Two lectures, six hours (minimum) laboratory a week.

305. *Biochemistry:* Dr. Parker.

The chemistry of living organisms with special emphasis on the chemical principles in physiological phenomena. Two lectures, six hours (minimum) laboratory a week. Physics 101 is recommended as preparation for this course.

306. *Biophysics:* Dr. Berry.

The application of physical processes and physical methods to the problems of general and vertebrate physiology. Two lectures, six hours (minimum) laboratory a week. Prerequisite: Physics 101.

307. *The Development of Scientific Thought:* Dr. Wyckoff, Dr. Oppenheimer.

(Interdepartmental Course 203. See page 52.)

308. *Fundamentals of Systematics.*

Offered at the Academy of Natural Sciences. One hour of lecture; four hours laboratory a week (Saturday mornings). A survey of the scope and methods of taxonomy, with a consideration of the mechanisms of speciation.

Chemistry

ASSOCIATE PROFESSOR: ERNST BERLINER, Ph.D.
ASSISTANT PROFESSORS: GEORGE ZIMMERMAN, Ph.D.
EDITH HAMILTON LANMAN, M.A.
INSTRUCTOR: FRANCES BONDHUS BERLINER, Ph.D.

Students may specialize in either physical chemistry or organic chemistry. Each seminary meets two hours weekly.

Seminary: Physical Chemistry: Dr. Zimmerman.

In the lectures no attempt is made to give a general survey of the subject but certain selected portions of the science are treated in detail and the student is made familiar with problems of current interest.

Seminary: Organic Chemistry: Dr. E. Berliner, Dr. F. B. Berliner.

Theoretical and physical organic chemistry. Recent developments in the chemistry of Natural Products (Sterols, Hormones, Vitamins, Alkaloids, Terpenes, Heterocyclic Compounds).

ADVANCED UNDERGRADUATE COURSES

301. *Advanced Physical Chemistry:* Dr. Zimmerman.

First semester: elementary thermodynamics. Second semester: chemical kinetics. Two lectures, eight hours laboratory. Prerequisite: Mathematics 101. Credit: 1½.

302. *Advanced Organic Chemistry:* Dr. E. Berliner, Dr. F. B. Berliner.

Lectures: theories and fundamental principles of organic chemistry. Laboratory: (first semester) organic qualitative analysis; (second semester) advanced synthesis and organic quantitative analysis. Two lectures, eight hours laboratory. Credit: 1½.

303. *Advanced Inorganic Analysis:* Miss Lanman.
One lecture, eight hours laboratory.

Classical Archaeology

PROFESSOR: RHYS CARPENTER, Ph.D., Litt.D.
ASSISTANT PROFESSOR: MACHTELD JOHANNA MELLINK, Ph.D.
CURATOR OF SLIDES AND PHOTOGRAPHS: HENRIETTA HUFF LANDES, A.B.

ASSOCIATE PROFESSOR OF ANTHROPOLOGY: FREDERICA DE LAGUNA, Ph.D.

Familiarity with both Greek and Latin, though not required except for candidates for the doctor's degree, is of the utmost value for graduate work in archæology. A good reading knowledge of German is indispensable.

Each seminary meets two hours weekly.

Seminary: Dr. Carpenter.

The seminary given is selected from the following:

Archæology of the Western Mediterranean.
Greek Sculpture.
Greek Epigraphy.

Seminary: Dr. Mellink.

The seminary given is selected from the following:

Oriental Relations of Early Greek Culture.
Anatolian Archæology.
Aegean Archæology.

Advanced Undergraduate and Free Elective Courses

202a.* *Ancient Italy:* Dr. Carpenter.

202b.* *Cultural Geography of the Mediterranean:* Dr. Carpenter.

301a. *Ancient Painting:* Dr. Mellink.

301b. *Ancient Architecture:* Dr. Carpenter and Dr. Mellink.

Comparative Philology and Linguistics

Professor of Germanic Philology: Fritz Mezger, Ph.D.

Non-resident Professor of Old French Philology: Grace Frank, A.B.[1]

Professor of English Philology: Stephen Joseph Herben, Litt.B., Ph.D.

Associate Professor of Italian: Angeline Helen Lograsso, Ph.D.

Associate Professor of Spanish: Manuel Alcalá, Litt.D.

Visiting Lecturer in French: William J. Roach, Ph.D.

This department is under the joint direction of the professors in charge of philological work in the language departments. The degree of Master of Arts is not offered in this department. For the degree of Doctor of Philosophy Comparative Philology and Linguistics may be offered as an allied subject but not as a major subject. Graduate students in the language departments, if so directed by the department of major work, may take any of the courses listed below and count them as a part of their philology in the major department. Undergraduate preparation entitling a student to do graduate work in any of the language departments will entitle her to work in this department.

[1] On sabbatical leave for the year 1951-52.

The following seminaries and graduate courses meeting two hours weekly are offered from time to time by Dr. Mezger:

Sanskrit (one semester).

Sounds and forms of Sanskrit are studied on a comparative basis.

Studies in Indo-European Linguistics.

After a general introduction to linguistic science, the relations of the principal languages of the Indo-European group will be studied with respect to sounds, inflection, syntax and word formation.

[*Old and Middle Irish* (one semester).]

Comparative grammar of Old Irish. Interpretation of texts.

The following seminaries and graduate courses are announced in the language departments concerned, but may also be offered as a part of the work in Comparative Philology:

English Philology:
Old and Middle English.

Romance Philology:
Introduction to Old French Philology.
Old Italian.
Spanish Philology and Old Spanish Readings.

Germanic Philology:
Old Norse.
Germanic Philology.
Introduction to Germanic Philology.
Old Saxon and Old Frisian.
History of the English Language.

Economics

PROFESSOR:	MILDRED BENEDICT NORTHROP, Ph.D.
ASSOCIATE PROFESSOR:	JOSHUA C. HUBBARD, Ph.D.[1]
LECTURER:	MAXINE WOOLSTON, Ph.D.
INSTRUCTOR:	HELEN MANNING HUNTER, M.A.

Each seminary meets two hours weekly.

Seminary: Dr. Northrop.

The seminary given is selected from the following:

International Trade and Commercial Policy.
Business Cycles and Full Employment.
Comparative Economic Organization.
Economic Development.

[1] On sabbatical leave for the year 1951-52.

Seminary: Dr. Hubbard.

The seminary given is selected from the following:

History of Economic Thought.
Contemporary Economic Theory.
Money and Banking and Fiscal Policy.

Advanced Undergraduate Courses

301a. *History of Economic Thought:* Dr. Northrop.

301b. *Contemporary Economic Thought:* Dr. Woolston.

Education

President of the College:
Katharine Elizabeth McBride, Ph.D., LL.D., L.H.D.

Associate Professor:
Rachel Dunaway Cox, Ph.D.

Assistant in Child Study Institute:
Clara Meyers, M.A.

The department offers graduate courses designed to meet the needs of two types of students—graduate students who desire to qualify for a teacher's certificate and graduate students who have had sufficient undergraduate training in education to qualify them for graduate work leading to a higher degree. Each seminary meets two hours weekly.

The Department of Education maintains the Child Study Institute under the direction of Dr. Cox, assisted by Dr. James Delano, consulting psychiatrist, Mrs. Lois R. Taber, social case worker, and Miss Clara Meyers, psychological assistant. This is a clinic supported jointly by the College and the Lower Merion Township Schools for work in the field of child development. Problems of learning and behavior are studied, psychological testing and remedial teaching are carried on. A program of counseling for children and their parents renders help in school and family adjustment. Advanced students participate in the work, and both graduate and undergraduate students observe and carry on research projects in the twelve public schools of the township.

Referrals also come to the Institute from the neurological and pediatric departments of the Bryn Mawr Hospital, from psychiatrists and from social agencies, giving opportunity for acquaintance with a diversity of clinical material.

A separate building on the college grounds houses the Institute, with rooms equipped for the individual examination of pupils, remedial teaching, play therapy, and student observation. Sound recording facilities are available for the study and improvement of counseling and testing techniques.

Seminary: Educational Psychology: Dr. Cox.
(Given as required.)

Learning, psychological study of the individual child, and educational adjustment are the chief subjects of this seminary. Psycho-educational problems are demonstrated and opportunities

provided for students to carry on practical work on these problems.

Seminary: Advanced Mental Measurement: Dr. Cox.
(Given as required)

A study is made of the structure, the theoretical orientation, the uses and limitations of a variety of standardized measurements of intelligence, aptitude and personality. Case study emphasis. Two hours seminary and three hours laboratory weekly.

Seminary: Clinical Problems: Dr. Cox.
(Given as required)

The problems most frequently encountered in clinical practice are attacked. The first semester is devoted to a study of the neurological deficiencies, learning disabilities and to the more important aspects of interpretation and application of psychological test findings. In the second semester behavior problems of children and adolescents are studied. Advanced students have opportunity for supervised work with individual children.

Seminary: Principles and Administration of School Guidance: Dr. Cox. *(Given as required)*

Philosophy and practice of the school counselor, teacher and administrator in dealing with the guidance of children in secondary and elementary schools in matters of educational and vocational, emotional and social adjustment. Effective approaches in dealing with behavioral deviations are explored.

Practicum: Educational Psychology.

This course is designed to meet the needs of students who are actually engaged in teaching. The course will deal with the psychology of learning, psychological study of the individual child and problems of educational adjustment. Opportunity is provided for students to carry on practical work on these problems.

FREE ELECTIVE COURSES

[101b.* *Principles of Education:* President McBride.]

[201a.* *Educational Psychology:* President McBride and Dr. Cox.] Prerequisite: Psychology 101.

202a.* *Child Psychology:* President McBride and Dr. Cox. Prerequisite: Psychology 101.

English

PROFESSORS: SAMUEL CLAGGETT CHEW, Ph.D., Litt.D.
STEPHEN JOSEPH HERBEN, Litt.B., Ph.D.
K. LAURENCE STAPLETON, A.B.
ARTHUR COLBY SPRAGUE, Ph.D.[1]

ASSOCIATE PROFESSORS: MARY KATHARINE WOODWORTH, Ph.D.
FREDERICK WAKEFIELD THON, M.F.A.
BETTINA LINN, M.A.

ASSISTANT PROFESSOR: WARNER B. BERTHOFF, M.A.

Appointment to be announced.

[1] On sabbatical leave for the year 1951-52.

Each seminary meets two hours weekly.

Seminary: English Literature: Dr. Chew.
1951-52: *Victorian Literature.*
1952-53: *Romanticism.*

Seminary: English Literature: Dr. Sprague.[1]
1952-53: *Shakespeare.*
1953-54: *Elizabethan Poetry.*

Seminary: English Literature: Dr. Woodworth.
1951-52: *Literature of the Eighteenth Century.*
1952-53: *Contemporary Literature.*

Seminary: English Literature: Miss Stapleton.
1950-51: *Milton.*

Seminary: American Literature: Mr. Berthoff.

Seminary: Old and Middle English: Dr. Herben.

One of the following is given in each year:
Old English Christian Poetry
Beowulf and the Old English Lyrics
Chaucer
Middle English Romances.

A Seminary in Philology for students of English is offered in the Department of German (see page 33).

ADVANCED UNDERGRADUATE AND FREE ELECTIVE COURSES

LANGUAGE

211b.* *History of the English Language:* Dr. Herben.

LITERATURE

301. *Old English Literature:* Dr. Herben.
After some training in Old English grammar, selections from prose and poetry are read, followed by the *Beowulf.*

302a. *The Drama from the Beginnings to 1642:* Instructor to be announced.

[303. *English Poetry from Spenser to Donne:* Dr. Sprague.]
The principal poets studied are Spenser, Sidney, Daniel, Drayton, Shakespeare (the narrative poems and the sonnets), Ben Jonson, and Donne.

304. *The Seventeenth Century:* Miss Stapleton.
About a third of the time is devoted to Milton, and special attention is given to the influence of the political and scientific movements of the period.

[305. *The Eighteenth Century:* Dr. Woodworth.]
The Age of Pope and Swift; the Rise of the Novel; Dr. Johnson and his Circle.

306.* *Advanced Writing:* Instructor to be announced.
Prerequisite: English 209c.

[1] On sabbatical leave for the year 1951-52.

French

PROFESSORS:	MARGARET GILMAN, Ph.D. GERMAINE BRÉE, *Agrégée de l'Université*
NON-RESIDENT PROFESSOR:	GRACE FRANK, A.B.[1]
ASSOCIATE PROFESSOR:	BERTHE MARIE MARTI, Ph.D.
ASSISTANT PROFESSOR:	MAURICE GONNAUD, *Agrégée de l'Université*
VISITING LECTURER:	WILLIAM J. ROACH, Ph.D.
INSTRUCTOR:	EDWARD P. MORRIS, A.B.

Graduate Course: Introduction to Old French Philology: Dr. Roach.

This course includes the reading of various texts and a general survey of Old French Literature.

Seminary: French Literature of the Sixteenth and Seventeenth Centuries.

1951-52: *Descartes et Pascal:* M. Gonnaud.

1952-53: *Le théâtre au XVII siècle: théorie et realisations:* Miss Brée.

Seminary: French Literature since 1715.

1951-52: *The poetic imagination from Diderot to Baudelaire:* Dr. Gilman.

Graduate Course: The Department.

Semester I. *Problems and Methods of Research in French Literature.*

Semester II. *Representative French Books.*

All candidates for the M.A. and Ph.D. degrees in French are advised to elect this course. The course carries no credit.

ADVANCED UNDERGRADUATE COURSES

[301. *Introduction to Medieval French Literature and Philology.*]

[302. *French Poetry from Villon to Valéry.*]

303. *French Thought of the Sixteenth and Seventeenth Centuries:* Mr. Morris.

[304. *French Drama of the Seventeenth Century.*]

[305. *The French Novel of the Eighteenth and Nineteenth Centuries.*]

306. *French Literature of the Twentieth Century:* Miss Brée.

[307c. *Advanced Training in the French Language.*]

[1] On leave of absence for the year 1951-52.

Geology

PROFESSORS: EDWARD H. WATSON, Ph.D.
LINCOLN DRYDEN, Ph.D.
ASSOCIATE PROFESSOR: DOROTHY WYCKOFF, Ph.D.

A preparation in general geology, mineralogy and paleontology is required. For students specializing in petrology, mineralogy or metamorphism courses in general chemistry, general physics, and physical chemistry are desirable; for those specializing in stratigraphy or paleontology, general biology and general chemistry are desirable.

At least three seminaries are offered each year, to be selected from the following:

Seminary: Petrology: Dr. Watson.

Selected subjects in the structure, physical chemistry and origin of the igneous rocks. Two lectures a week.

Seminary: Metamorphism: Dr. Wyckoff.

The physical and chemical processes of metamorphism, accompanied by regional studies. Two lectures a week.

Seminary: Petrographic Methods: Dr. Watson, Dr. Wyckoff.

This is largely a course in laboratory instruction and in general will accompany the seminaries in petrology and metamorphism. Special techniques such as the universal stage, integrating stage, mechanical separations from rocks and petrofabric analysis will be taught. Twelve hours of laboratory a week.

Seminary: Stratigraphy: Dr. Dryden.

A study of selected theoretical and practical problems of correlation. Usually conducted in connection with a field problem. Two lectures a week.

Seminary: Sedimentation: Dr. Dryden.

A study of the origin of sedimentary rocks; their source, transportation, and deposition. Two lectures and one afternoon of laboratory a week.

ADVANCED UNDERGRADUATE AND FREE ELECTIVE COURSES

[301. *Structural and Field Geology:* Dr. Watson.]

The origin and analysis of the structures of igneous, sedimentary, and metamorphic rocks, and geological surveying. Three lectures, two afternoons of field work or laboratory a week.

302. *Stratigraphy:* Dr. Dryden.

A survey of the stratigraphy of selected regions in Europe and North America, and study of special problems of correlation and interpretation. Three lectures, one afternoon of laboratory a week.

303. *Optical Mineralogy* (first semester) and *Petrology* (second semester): Dr. Wyckoff.

The optical properties of minerals and the use of the petrographic microscope. Discussion of the origin and differentiation of igneous rocks. Two lectures, about twelve hours of laboratory a week. Credit: 1½ units.

[304.* *Cartography:* Dr. Watson, Dr. Wyckoff.]

Field surveying, drafting, photogrammetry, elementary geomorphology, and general cartography. Open to students without previous work in geology. Two lectures, two afternoons of laboratory a week.

[305.* *Geography:* Dr. Wyckoff.]

Discussion of geographic factors such as climate, soils, vegetation, land forms and mineral resources. General principles of economic and political geography. Three lectures, one afternoon of laboratory a week.

306.* *The Development of Scientific Thought:* Dr. Wyckoff, Dr. Oppenheimer.

(See Interdepartmental Course 203, page 52.)

German

PROFESSORS: FRITZ MEZGER, Ph.D.
MAX DIEZ, Ph.D.
ASSOCIATE PROFESSOR: MYRA RICHARDS JESSEN, Ph.D.
ASSISTANT PROFESSORS: MARTHA MEYSENBURG DIEZ, M.A.
HEINZ POLITZER, Ph.D.

Each seminary meets two hours weekly. The seminaries given are selected from the following:

Seminary: German Literature: Dr. Jessen.

The Novelle in the Classical and Romantic Periods.

[*Grillparzer and the German Drama 1815-1848.*]

[*The Lyric Poetry of Goethe and Hölderlin.*]

[*Seminary: German Literature:* Dr. Diez.]

The Nibelungenlegend, its Development in the Middle Ages and its Revival in the Nineteenth Century.

GERMANIC PHILOLOGY

The English and the German departments together have provided for a complete course in Germanic Philology, comprising both the study of the individual languages (Gothic, Norse, Anglo-Saxon, Old Saxon, Old High German, Middle High German, Middle Low German, etc.) and the study of general Comparative Philology.

Students intending to elect Germanic Philology are advised to study Greek for at least one year during their undergraduate course.

Seminary in a Germanic Language: Dr. Mezger.

The seminary given is selected from the following:

Old Norse: Saga and Edda.

History of the German Language.

History of the English Language.

Seminary: Germanic Philology: Dr. Mezger.

The seminary given is selected from the following:

Introduction to Germanic Philology.

Germanic and Indo-Germanic Word-Formation.

Seminary: Old High German and Middle High German Language and Literature: Dr. Mezger.

Parzival *and* Tristan und Isolde.

Seminary: Language and Style of a Representative Author: Dr. Mezger.

ADVANCED UNDERGRADUATE COURSES

The courses given are selected from the following:

[301. *Advanced Training in Translation:* Dr. Diez.]

Written translation of difficult German prose and extemporaneous oral translation from and into German.

[302. *History of German Civilization:* Dr. Diez.]

303. *The Age of Richard Wagner:* Dr. Diez.

304. *German Literature from 1850 to 1940:* Dr. Mezger.

305. *Introduction to German Philology:* Dr. Mezger.

This course is given as *History of the German Language,* or *Old High German and Middle High German Literature.*

306. *The German "Novelle":* Dr. Jessen.

[307. *German Drama:* Dr. Jessen.]

308. *The German Lyric:* Dr. Politzer.

Greek

PROFESSOR: RICHMOND LATTIMORE, Ph.D.
ASSOCIATE PROFESSOR: MABEL LOUISE LANG, Ph.D.

PROFESSOR OF CLASSICAL ARCHÆOLOGY: RHYS CARPENTER, Ph.D., Litt.D.

An adequate knowledge of Latin is expected. Each seminary meets two hours weekly.

Seminaries in Classical Archæology are available for graduate students in Greek who are qualified to enter them by some previous training in archæology.

Seminary: Dr. Lattimore.
1951-52: *Lyric Poetry.*

Seminary: Dr. Lang.
1951-52: *Thucydides.*

Seminary: Dr. Lattimore.
1952-53. *Sophocles.*

Seminary: Dr. Lang.
1952-53. *Herodotus.*

ADVANCED UNDERGRADUATE AND FREE ELECTIVE COURSES

203.* *Greek Literature in Translation:* Dr. Lattimore, Dr. Lang.

[301. *Attic Tragedy, Attic Orators, Historians, Plato, Pindar, Melic Poets, Homer:* Dr. Lattimore, Dr. Lang.]

The student selects her work from these fields and authors in consultation with the department.

History

PROFESSORS: HELEN TAFT MANNING, Ph.D., LL.D.
CAROLINE ROBBINS, Ph.D.
FELIX GILBERT, Ph.D.
ASSOCIATE PROFESSOR: GEORGE CUTTINO, D.Phil.[1]
ASSISTANT PROFESSOR: ARTHUR P. DUDDEN, Ph.D.
VISITING LECTURER: THEODOR ERNST MOMMSEN, D.Phil.

PROFESSOR OF LATIN: THOMAS ROBERT SHANNON BROUGHTON, Ph.D.[2]

Each seminary meets two hours weekly.

[*Graduate Course: History and Historical Method:* The Department.]

[1] On leave of absence for the year 1951-52.
[2] On sabbatical leave for the year 1951-52.

This lecture course should be elected by all students who are preparing themselves for the Ph.D. degree with History as a major. Seniors majoring in history may attend the lectures.

[*Seminary: Medieval History:* Dr. Cuttino.]

Seminary: Medieval History: Dr. Mommsen.
The Empire and the Papacy.
(*Given in 1951-52*)

Seminary: Dr. Manning.
Modern Imperialism
or
English History, 1783-1846.

Seminary: Dr. Robbins.
Seventeenth Century England, one of the following topics:
Civil War and Protectorate (1640-1660)
The Revolution Settlement (1688-1701)
Restoration and Revolution (1660-1688)
or
Eighteenth Century Civilization.

Seminary in European History: Dr. Gilbert.
The seminary given is selected from the following:
Intellectual Problems in the Age of Machiavelli.
Revolution and Reaction in Germany and Western Europe.
International Affairs in the Modern World.

Seminary: American History: Dr. Dudden.
The seminary given is selected from the following:
The Birth of a Nation (*1760-1790*)
The Age of Jackson (*1825-1850*)
Civil War and Reconstruction (*1850-1870*)
The Emergence of Modern America (*1870-1900*)

[*Seminary in Ancient History:* Dr. Broughton.]
See statement of Dr. Broughton's seminaries under the Department of Latin.

ADVANCED UNDERGRADUATE AND FREE ELECTIVE COURSES

[207.* *Ancient History:* Dr. Broughton.]

[208. *History of Russia:* Dr. Gilbert.]

301. *History of Europe since 1890:* Dr. Gilbert.

302a. *Rise of the Americas:* Dr. Manning.
The French, Spanish, and British colonial empires; the revolutionary movements and the development of the Latin-American states.

303b. *The United States in the Twentieth Century:* Dr. Dudden.

[304a. *English History in the Nineteenth Century:* Dr. Manning.]

305. *Renaissance and Reformation:* Dr. Gilbert.
European history in the Fifteenth and Sixteenth Centuries. Emphasis will be placed on the change in political and social institutions and in intellectual life, which occurred during these centuries.

History of Art

PROFESSORS: JOSEPH C. SLOANE, M.F.A., Ph.D.
ALEXANDER COBURN SOPER, III, M.F.A., Ph.D.

ASSOCIATE PROFESSOR: RICHARD BERNHEIMER, Ph.D.[1]

INSTRUCTOR: MARY L. HEUSER, M.A.

CURATOR OF SLIDES AND PHOTOGRAPHS: HENRIETTA HUFF LANDES, A.B.

Each seminary meets two hours weekly. The seminaries given are selected from the following:

Renaissance and Modern Art: Dr. Sloane.
Medieval and Renaissance Art: Miss Heuser.
[*Art Theory:* Dr. Bernheimer.]
Far Eastern Art: Dr. Soper.

UNDERGRADUATE COURSES

201.* *Italian Art:* Miss Heuser.
The arts of Italy from the thirteenth to the end of the fifteenth century are discussed in the first semester. The second semester covers the later phases of Italian art with some consideration of its influence on the Baroque in Spain and Germany.

[202. *Medieval Art:* Dr. Soper, Dr. Bernheimer.]
The first semester covers the early medieval period, the second the Romanesque and Gothic.

203a. *Northern Renaissance Art:* Dr. Soper.
From its beginnings through Breughel.

204b. *Northern Baroque Art:* Dr. Sloane.
From the late sixteenth century to the classical revival in the eighteenth century.

301.* *Art of the Far East:* Dr. Soper.
Chinese and Japanese art from the earliest dynasties to the present, including a survey of Indian art as an introduction to Buddhism in the Far East.

302. *Modern Art:* Dr. Sloane, Dr. Soper.
In the first semester the pictorial arts are traced from David to the present day. In the second semester, the architecture and sculpture of the same period are discussed.

[1] On sabbatical leave for the year 1951-52.

History of Religion

PROFESSOR OF ENGLISH LITERATURE: SAMUEL CLAGGETT CHEW, Ph.D., Litt.D.

ASSOCIATE PROFESSOR OF LATIN: AGNES KIRSOPP MICHELS, Ph.D.

ASSOCIATE PROFESSOR OF PHILOSOPHY AND RELIGION: GEDDES MACGREGOR, B.D., LL.B., D.Phil., F.R.S.L.

Instruction offered in the History of Religion and in Biblical Literature is not organized on the scale of a regularly constituted department; there is no major work in either subject.

101a.* *The Rise of Judaism:* Dr. A. K. Michels.

The reading is taken, as far as possible, from the original sources.

101b.* *Early Christianity:* Dr. A. K. Michels.

The reading is taken, as far as possible, from the original sources.

103.* *Literary History of the Bible:* Dr. Chew.

The English Bible from the point of view of origins and literary forms.

201a.* *Comparative Religion:* Dr. MacGregor.

An historical study of the major religions of the world, comparatively considered.

201b.* *History of Christian Thought:* Dr. MacGregor.

The history of Christian ideas from early times to the present day.

203a. *Philosophy of Religion:* Dr. MacGregor.

This course is also listed as Philosophy 203a.

203b. *Mediæval Philosophy:* Dr. MacGregor.

This course is also listed as Philosophy 203b.

Italian

ASSOCIATE PROFESSOR: ANGELINE HELEN LOGRASSO, Ph.D.

Each seminary meets two hours weekly.

Seminary: Italian Literature: Dr. Lograsso.

The seminary given is selected from the following:

Dante.
Studies in Italian Romanticism.
Manzoni.
Literary Criticism.
Provençal.

Seminary: Old Italian: Dr. Lograsso.
(Given as required)
Old Italian Philology, with critical readings of early Italian texts.

ADVANCED UNDERGRADUATE AND FREE ELECTIVE COURSES

[102c.* *Dante in English Translation:* Dr. Lograsso.]
The New Life and *Divine Comedy.*

[103c.* *Literature of the Italian Renaissance in English Translation:* Dr. Lograsso.]
From Petrarch to Tasso; pastoral literature; literary criticism and aesthetic theories of the Renaissance with special reference to their influence on other literatures.

301. *Dante:* Dr. Lograsso.
The *Vita Nuova* and *Divina Commedia,* with some attention to the minor works.

302c. *The Italian Language:* Dr. Lograsso.
Advanced work in composition.

[303. *Italian Literature of the Rinascimento:* Dr. Lograsso.]

[304. *Italian Literature of the Romantic Period:* Dr. Lograsso.]

Latin

PROFESSORS: LILY ROSS TAYLOR, Ph.D., Litt.D.
THOMAS ROBERT SHANNON BROUGHTON, Ph.D.[1]

ASSOCIATE PROFESSORS: BERTHE MARIE MARTI, Ph.D.
AGNES KIRSOPP MICHELS, Ph.D.

All students who intend to do advanced work in Latin should have an adequate knowledge of Greek. Each seminary meets two hours weekly.

Seminary: Dr. Taylor.
1951-52: *Cicero's Correspondence.*

Seminary: Dr. Marti.
1951-52: Semester I: *Latin Palaeography.*

Seminary: Dr. Michels.
1951-52: Semester II: *Catullus and Lucretius.*

Seminary: Dr. Marti.
1951-52: *Latin Literature of the Twelfth Century.*

Seminary: Dr. Broughton.
1952-53: *The Augustan Empire.*

Seminary: Dr. Marti.
1952-53: *Latin Literature in the Silver Age.*

[1] On sabbatical leave for the year 1951-52.

Two of the following seminaries will be given in subsequent years:

History of Classical Scholarship in the Middle Ages: Dr. Marti.
Studies in the History and Literature of the Period from 218 to 167 B.C.: Dr. Broughton.
Poetry of the Augustan Age: Dr. Michels.
Livy's History: Dr. Broughton.
Roman Satire: Dr. Michels.

ADVANCED UNDERGRADUATE COURSES

[301a. *Vergil's Aeneid:* Dr. Michels.]

[301b. *Tacitus and Livy:* Dr. Broughton.]

302a. *Cicero and Caesar:* Dr. Taylor.

Extensive selections from Cicero's *Orations* and *Letters* and from Caesar's *Commentaries*. Chief emphasis is placed on the social and political history of the period.

302b. *Lucretius and Vergil's Georgics:* Dr. Michels.

[303a. *Early Latin Literature:* Dr. Marti.]

Reading of plays of Plautus and Terence, the *Annals* of Ennius, and some examples of early prose writing.

Mathematics

ASSOCIATE PROFESSORS: JOHN CORNING OXTOBY, M.A.
MARGUERITE LEHR, Ph.D.
ASSISTANT PROFESSOR: LINDLEY J. BURTON, Ph.D.

At least three seminaries are offered each year. Additional courses in directed reading and research can be arranged. A joint Mathematical Colloquium with Haverford and Swarthmore colleges and the University of Pennsylvania holds fortnightly meetings.

The seminaries given are selected from the following:

Abstract Algebra
Algebraic Geometry
Differential Geometry
Fourier Series
Linear Spaces
Mathematical Physics
Measure Theory
Probability Theory and Mathematical Statistics
Projective Geometry and Lattice Theory
Theory of Functions of a Complex Variable
Theory of Functions of a Real Variable
Topology

ADVANCED UNDERGRADUATE COURSES

301. *Advanced Calculus:* Dr. Burton.
Prerequisite: Mathematics 201.

302b. *Introduction to Geometric Theories:* Dr. Lehr.
Prerequisite: Mathematics 202c.

303a. *Introduction to Abstract Algebra:* Dr. Lehr.
Prerequisite: Mathematics 202c.

[304a. *Theory of Probability and Statistics:* Dr. Lehr.]
Prerequisite: Mathematics 201.

[310. *Theory of Functions of a Complex Variable:* Instructor to be announced.]
Prerequisite: Mathematics 301.

[311b. *Differential Equations:* Mr. Oxtoby.]
Prerequisite: Mathematics 301 (may be taken concurrently).

Music

PROFESSOR: HORACE ALWYNE, F.R.M.C.M.

ASSOCIATE PROFESSOR: ROBERT L. GOODALE, A.B., B.Mus., A.A.G.O.

DIRECTOR OF ORCHESTRA AND ENSEMBLE GROUPS:
WILLIAM REESE, Ph.D.

Individual students may be directed in special work by means of private conferences. Graduate students are cordially invited to join the orchestra and chamber music groups organised by the department.

Seminary: Free Composition: Mr. Alwyne.

Requirements for admission: the four undergraduate courses in Harmony and Counterpoint; or the student must satisfy the instructor that she is qualified to enter. This seminary deals with the application to Free Composition of the preceding courses in Harmony and Counterpoint.

The seminary meets two hours weekly.

ADVANCED UNDERGRADUATE AND FREE ELECTIVE COURSES

Students in the courses in History and Appreciation of Music must devote two hours or more a week to listening to gramophone records assigned by the department.

101.* *History and Appreciation of Music:* Mr. Alwyne.

A comprehensive survey from the period of Bach to the end of the nineteenth century, with special emphasis on the technique of intelligent listening.

201. *Advanced History and Appreciation of Music:* Mr. Alwyne.
A more amplified and intensive study of nineteenth century music. The Symphonic Poem, Art-Song and Music-Drama. Expansion of orchestral and pianoforte technique; development of symphonic and chamber-music forms; growth of Nationalism.
Prerequisite: Music 101 or its equivalent.

301c. *Third Year History and Appreciation of Music:* Mr. Alwyne.
Development of music up to period of Bach. The trends of Twentieth Century Music and significant representative works.
Prerequisites: Music 101 and 201 or their equivalents.

102.* *Elementary Harmony:* Mr. Goodale.
Principles of melodic writing, in one and two voices. Harmony in four voices. Triads in root position, first and second inversions; 7th chords; modulation. Formal and harmonic analysis. Sight singing and dictation.

202. *Advanced Harmony:* Mr. Goodale.
Continuation of Music 102. Original composition in the larger forms. Advanced analysis. Sight singing and dictation.
Prerequisite: Music 102 or its equivalent.

203a. *Elementary Counterpoint:* Mr. Goodale.
Composition and analysis of counterpoint in the style of the sixteenth century.
Prerequisite: Music 102 or its equivalent.

203b. *Advanced Counterpoint:* Mr. Goodale.
Composition and analysis in the style of Bach. This will include a study of the large contrapuntal forms.
Prerequisite: Music 102 and 203a or the equivalent.

Philosophy

PROFESSOR:	MILTON CHARLES NAHM, B.Litt., Ph.D.
VISITING PROFESSOR:	PAUL SCHRECKER, Ph.D.
ASSOCIATE PROFESSORS:	ISABEL SCRIBNER STEARNS, Ph.D.[1]
	GEDDES MACGREGOR, B.D., D.Phil., LL.B.
	JOSÉ MARIA FERRATER MORA, *Licenciado*
ASSISTANT PROFESSOR:	HUGUES LEBLANC, Ph.D.
LECTURER:	JEAN A. POTTER, M.A.
ASSISTANT:	LOUISA SHANNON DUBOSE, M.A.

A minimum of three seminaries, historical and systematic, is offered each year. Each seminary meets two hours weekly. Adjustments will be made in the sequence of the seminaries listed below according to the needs of the students. Students have the privilege of becoming auxiliary members of the Fullerton Philosophy Club, which meets each month at the Deanery, and at which papers are read by members of the faculties of the University of Pennsylvania, Bryn Mawr, Swarthmore, Haverford and other near-by colleges.

[1] On leave of absence for the year 1951-52.

Seminary: Dr. Nahm.

1951-52: *Kant.*
Critique of Pure Reason.

1952-53: *Aesthetics.*
A systematic and historical analysis of problems in the philosophy of art.

1953-54: *Ethics.*
The Ethics of Kant and Hegel; or The History of English Ethics; or Henry Sidgwick and contemporary British Moralists.

Seminary: Dr. Stearns.

[1951-52: *Metaphysics.*]
A study of such problems as the nature of time, the one and the many, the individual, appearance and reality.
A detailed study of the later dialogues.

1953-54: *Epistemology.*
An historical and systematic study of the function of reason and other agencies of knowledge.

Seminary: Dr. Leblanc.

1951-52: *The Theory of Meaning.*
Detailed study of meaning in the light of developments in modern logic.

1952-53: *Logic.*
A systematic study of one or more topics in logical theory.

1953-54: *British Empiricism.*
The philosophies of Locke, Berkeley, and Hume.

Seminary: Miss Potter.

1951-52: *Descartes and Spinoza.*
A detailed study of Descartes' and Spinoza's principal writings and the relations of their thought to that of the century.

ADVANCED UNDERGRADUATE AND FREE ELECTIVE COURSES

203a. *Philosophy of Religion:* Dr. MacGregor.
The philosophical problems arising out of religious ideas; the nature and interpretations of religion.

203b. *Medieval Philosophy:* Dr. MacGregor.
The history of the development of philosophy from Augustine to Aquinas, with detailed study and discussion of the Thomist solution of the medieval problem and of the basis of a modern interpretation of Thomism.

301a. *Theory of Knowledge:* Dr. Leblanc.
An analysis of the scope, structure, and methods of science in the light of recent philosophy.

301b. *Aesthetics:* Dr. Nahm.
Types of aesthetic theory and problems of aesthetic experience and productivity.

302a. *Plato:* Miss Potter.
A detailed study of some of the later dialogues.

[302b. *Philosophy of History:* Dr. Schrecker.]
The philosophical interpretation of history, its meanings, and laws.

303b. *Leibniz:* Dr. Schrecker.
The historical background of Leibniz's thought, with emphasis upon the mathematical and logical foundations of his philosophy. The reading will principally be drawn from Leibniz's epistemology, metaphysics, doctrine of natural law, and political philosophy.

Physics

PROFESSOR: WALTER C. MICHELS, Ph.D.
ASSISTANT PROFESSORS: ROSALIE C. HOYT, Ph.D.
JOHN R. PRUETT, Ph.D.

One or two graduate seminaries in theoretical physics are offered each year. In addition, a seminary in experimental physics is arranged individually for students desiring it, and generally serves as an introduction to a research problem. Each full-time graduate student majoring in the department is expected to carry on some experimental work in every year. Students electing physics as their major subject for the degree of Doctor of Philosophy are in general expected to offer mathematics as an allied subject. They may substitute chemistry, biology, or geology if their mathematical training is accepted as adequate for their work in physics.

Every candidate for a graduate degree is expected to have completed Physics 304 or its equivalent.

Seminary: Experimental Physics: Dr. Michels, Dr. Hoyt, Dr. Pruett.

Seminary: Dr. Hoyt.
1951-52: *Quantum Mechanics.*

Seminary: Dr. Michels.
1951-52: *Physics of the Solid State.*

Seminary: Dr. Michels.
1952-53: *Electromagnetic Theory.*

Seminary: Dr. Pruett.
1952-53: *Nuclear Physics.*

ADVANCED UNDERGRADUATE AND FREE ELECTIVE COURSES

303. *Introduction to Experimental Physics:* Dr. Pruett.
Three lectures, four hours laboratory a week. Prerequisites: Physics 206 and Mathematics 201 (either may be taken concurrently).

304. *Introduction to Theoretical Physics:* Dr. Pruett.
Four lectures a week. Prerequisites: Physics 206, Mathematics 201, and Physics 303 (may be taken concurrently).

305. *Physical Measurements:* Dr. Michels and Dr. Pruett.
Four hours laboratory a week. Prerequisites: Physics 303 or Physics 304 (either may be taken concurrently).

[351.* *Application of Physics to Biology and Chemistry:* Dr. Hoyt.]
Three lectures, four hours laboratory a week. Prerequisites: Physics 101 and Mathematics 101 and second year work in either Chemistry or Biology.

Political Science

The Caroline McCormick Slade Department of Political Science

PROFESSORS:	ROGER HEWES WELLS, Ph.D. K. LAURENCE STAPLETON, A.B.
ASSISTANT PROFESSORS:	PETER BACHRACH, Ph.D. GERTRUDE C. K. LEIGHTON, A.B., LL.B. JOHN I. MICHAELS, JR., M.A., Certificate of the Russian Institute of Columbia University
ASSOCIATE PROFESSOR OF PHILOSOPHY:	ISABEL SCRIBNER STEARNS, Ph.D.[1]
ASSOCIATE PROFESSOR OF ECONOMICS:	JOSHUA C. HUBBARD, Ph.D.[2]

Two or more seminaries are usually offered each year from the following:

Seminary: Problems in Political Theory: Miss Stapleton.
The seminary is devoted to an analysis of the concepts of law, sovereignty, rights and citizenship.

Seminary: The World Community and Law: Miss Leighton.
Readings and discussion of various current problems in international law and organization. The seminary will include some analysis of the ideas and method contributed by Lasswell, MacIver, Linton and others.

Seminary: American Constitutional Law: Dr. Bachrach.
Among the topics studied are: the development of civil rights; the commerce clause; the due process clauses; taxation; and the general problems of federalism. Relevant Supreme Court decisions are discussed in detail.

Seminary: Public Administration: Semester I: Dr. Wells.
The process of public administration is examined at local, state, national and international levels. Among the subjects covered are: administrative organization; the legislature and the administration; public relations of administrative agencies; intergovernmental relations; government personnel problems; financial administration. Particular emphasis is placed upon administrative developments in the United States.

[1] On leave of absence for the year 1951-52.
[2] On sabbatical leave for the year 1951-52

Seminary: Comparative Government: Semester II: Dr. Wells.

The governments selected for comparative analysis are Britain, France, Germany, Soviet Russia and the United States.

JOURNAL CLUB

Graduate students are expected to attend the meetings of the combined History, Economics and Political Science Journal Club.

ADVANCED UNDERGRADUATE COURSES

[301. *The Theory and Practice of Democracy:* Dr. Wells, Miss Stapleton, Dr. Stearns and Dr. Hubbard.]

See Interdepartmental Course 301, p. 52.

302a. *Ancient and Medieval Political Theory:* Dr. Wells.

A history of Western political ideas from the beginnings to 1600. Greek, Roman and Patristic political thought; medieval theories of the relation of church and state; feudalism and constitutionalism: political thought of the sixteenth century.

303a. *The Governments of France and Germany:* Dr. Wells.

The course deals primarily with developments since World War II, but includes considerable historical background.

304b. *Public Administration:* Dr. Wells.

305b. *American Political Theory:* Dr. Bachrach.

While some attention is given to the English and colonial origins, the main emphasis of the course is on the development of American political ideas from 1750 to the present.

Psychology

ASSOCIATE PROFESSOR: RACHEL DUNAWAY COX, Ph.D.
ASSISTANT PROFESSOR: JOE KENNEDY ADAMS, Ph.D.
INSTRUCTOR: DOROTHY ELVIRA YATES, M.A.

Appointment to be announced.

Seminary: Theory of Measurement: Dr. Adams.
(Not given in 1951-52)

Problems of meaning and measurement in psychology, including a detailed analysis of nominal, ordinal, interval, and ratio scales. Semantics and psychophysics are stressed.

Seminary: Emotion and Motivation: Instructor to be announced.

Survey and evaluation of theories of emotion and motivation on the basis of recent experimental work in these fields.

Seminary: Experimental Psychology: Mrs. Fletcher.
(Not given in 1951-52)

Two hours of discussion and a laboratory each week will be devoted to assigned experiments representative of a field that the class selects, or to original experimentation.

Seminary: Theory of Personality: Instructor to be announced.

Seminary: Neuroanatomy and Physiological Psychology: Dr. Oppenheimer and instructor to be announced.

(Not given in 1951-52)

The first semester is devoted to lectures and laboratory work in neuroanatomy; in the second semester the emphasis is on topics in physiological psychology.

Seminary: History of Psychology: Mrs. Fletcher.

Seminary: Social Psychology: Dr. Adams and instructor to be announced.

Seminary: Advanced Mental Tests. Dr. Cox.

A study is made of the structure and theoretical orientation, the uses and limitations of a variety of standardized measures of intelligence, aptitude and personality. Case study emphasis. Two hours seminary, three hours laboratory a week.

For graduate work in Educational Psychology see the Department of Education (pages 27-28).

Seminary: Clinical Problems: Dr. Cox.

(Given as required)

The problems most frequently encountered in clinical practice are attacked. The first semester is devoted to a study of the neurological deficiencies, learning disabilities and to the more important aspects of interpretation and application of psychological test findings. In the second semester behavior problems of children and adolescents are studied. Advanced students have opportunity for supervised work with individual children.

Seminary: Psychopathology: Instructor to be announced.

(Not given in 1951-52)

Seminary: Research Problems: Dr. Adams.

(Not given in 1951-52)

Methods of measurement, statistical techniques, practice in observation and acquaintance with standard types of apparatus are stressed.

Seminary: Learning: Mrs. Fletcher.

(Not given in 1951-52)

ADVANCED UNDERGRADUATE COURSES

301. *Advanced Experimental Psychology:* Mrs. Fletcher.

Three hours a week will be devoted to discussion of representative experiments in sensation and perception and in learning and motivation, with emphasis upon theory and design. There will be about two hours of laboratory a week. Prerequisites: Psychology 204a and 204b, one year of Mathematics.

302a. *Clinical Psychopathology:* Instructor to be announced.

Concepts of "normality", types of abnormality, methods of investigation, and principles of psychotherapy. Three lectures a week. The field work connected with this course consists in attendance at the clinic conducted by Dr. Edward A. Strecker, Professor of Psychiatry, School of Medicine, University of Pennsylvania, one hour a week. Prerequisites: Psychology 101, 201a, 202b, 204a, 204b.

302b. *Psychology of Personality:* Instructor to be announced.
The study of the problems of development and organization of personality. Three lectures a week. Prerequisite: Psychology 302a.

Russian

Assistant Professor: Frances de Graaff, Ph.D.
Instructor: Marianne Bogojavlenskij, M.A.

Associate Professor of English: Bettina Linn, M.A.

Undergraduate Courses

1. *Elementary Russian:* Dr. de Graaff.

101. *Intermediate Russian:* Dr. de Graaff.
Composition and conversation; reading in Russian literature and contemporary material. Prerequisite: Elementary Russian.

201. *Readings in Russian Literature:* Mrs. Bogojavlenskij.
Representative writers of the nineteenth century. Conducted mostly in Russian. Prerequisite: two years of Russian.

An advanced course, given in Russian, is selected from the following:

301. *Russian Poetry of the Nineteenth Century:* Dr. de Graaff.

302. *Pushkin and his Time:* Dr. de Graaff.

303. *Russian Literature of the Twentieth Century*: Dr. de Graaff.

304. *Social Trends in Nineteenth Century Russian Literature:* Dr. de Graaff.

Free Elective Courses

[202. *General Readings in Russian.*]
Primarily intended for students who want a good reading knowledge of the language, but are not majoring in Russian. The reading texts cover a variety of subject matter, such as history, economics, politics, science, as well as literature. Some lectures in Russian about the cultural background of Russia are included, with oral reports by the students and discussion of specific topics in Russian. Prerequisite: two years of Russian.

203. *Russian Literature in Translation:* Miss Linn.
The leading Russian writers of the nineteenth century in translations. Students registering for the course should read in the preceding summer the following novels: Dostoevsky's *Crime and Punishment,* Tolstoi's *War and Peace,* and two of Turgenev's novels.

Social Economy

The Carola Woerishoffer Department
of
Social Economy and Social Research [1]

DIRECTOR: MARION HATHWAY, Ph.D.

ASSOCIATE PROFESSORS: HERTHA KRAUS, Ph.D.[2]
MARY MARGARET ZENDER, M.A., M.S.S.

LECTURER IN MEDICAL SOCIAL WORK: MURIEL JANET GAYFORD, M.S.P.A.

LECTURER IN SOCIAL RESEARCH: KATHERINE LOWER, Ph.D.

SPECIAL LECTURERS IN PSYCHIATRIC INFORMATION: ELEANOR ALICE STEELE, M.D.
M. ROYDEN C. ASTLEY, M.D.

SPECIAL LECTURER IN MEDICAL INFORMATION: ARTHUR M. ROGERS, M.D.

Appointment to be announced.

The Department maintains several types of programs leading toward different degrees. The programs for the M.A. and the Ph.D. are for students who are primarily interested in theory and intensive research in a chosen special area. The curriculum of studies includes sociological and social theory, and research in industrial and social conditions.

The program leading to the degree of Master of Social Service includes four semesters and a ten-week summer session between the first and second years. The program is designed to prepare students for work in the various social services and offers three major areas of concentration—social casework, community organization and social research. In general, candidates for the M.S.S. degree are required to take *History of Social Welfare, Physical and Psychological Development of the Individual* and *Introduction to Social Research* during the first semester of their first year and *Legislation for Social Security, Problems of Physical and Mental Disease* and *Casework I* during the second semester of their first year, and *Social Research* during the first semester of their second year. Further requirements are contingent upon the candidate's field of concentration. Elective courses may be taken in other departments of the College.

Each seminary meets two hours a week.

[1] For additional information write for Bulletin of The *Carola Woerishoffer* Graduate Department of Social Economy and Social Research.
[2] On sabbatical leave for the year 1951-52.

History of Social Welfare (first semester): Dr. Hathway.

Principles and practices of the more important earlier methods of assisting the poor, the physically, mentally and socially handicapped, and of the major community resources developed for the purpose both here and abroad.

Legislation for Social Security (second semester): Dr. Hathway.

Social legislation in the United States, current and pending, with emphasis on the changes in fundamental concepts. Important social legislation in other countries is used as comparative material.

[*International Welfare Services:* Dr. Kraus.]
(Not given in 1951-52)

Physical and Psychological Development of the Individual (first semester): The Department and Special Lecturers.

Selected knowledge from the fields of medicine, psychology, and psychiatry regarding normal growth and change of the individual as an integrated, functional organism. The emphasis is on the process of adjustment during growth and the building up of mechanisms for meeting physical and social forces in a changing culture.

Problems of Physical and Mental Disease (second semester): The Department and Special Lecturers.

Knowledge from the related fields of medicine and psychiatry regarding specific disease processes as they commonly appear in social work practice. The emphasis is on those diseases which have an important social component, especially the chronic illnesses, and on related or resulting problems of social maladjustment.

Advanced Psychiatric Information (first semester): Dr. Steele.

Ten lectures giving a systematic presentation of the field of psychiatry as it impinges upon the work of the social case worker. No credit, but required of all students majoring in casework.

PROCESSES AND TECHNIQUES

Social Casework I (second semester): Miss Zender and Miss Gayford.

The generic processes in casework practice; interaction among client, worker, agency, and community developed through class discussion of the student's own material and material introduced by the instructor. Field work: 300 hours.

Social Casework I (summer): Miss Zender and Miss Gayford.

Continuation of generic processes in casework practice. Field work: 300 hours.

Social Casework II (one year): Miss Zender.

A study of case material designed to increase the student's skill in dealing with the various problems which bring clients to the social casework agencies. Field work: 600 hours.

Principles of Medical Social Work (one year): Miss Gayford.

Medical social casework in various medical settings with emphasis upon understanding the social and emotional component in illness and in medical care; administrative problems of medical social work. A series of medical lectures, clinic observation and participation in medical conferences are arranged at various medical schools in Philadelphia. Field work: 600 hours.

Community Organization (first semester): Instructor to be announced.

Past and present methods and trends in the organized planning, promotion, and implementation of social welfare programs in different functional fields and in relation to their operation on different levels of government.

Students majoring in Community Organization will be assigned block field work during one summer. (375 hours.)

Social Administration (second semester): Instructor to be announced.

The principles and procedures of administration as applied to public and private social agencies; inter-agency relations. Opportunities for field work and research will be arranged according to the interests and qualifications of the students.

Introduction to Social Research (first semester): Dr. Lower.

Principles, methods and use of social research.

Required of all candidates for degrees who have not had an equivalent undergraduate or graduate course.

Social Research (first semester): Dr. Lower.

The more advanced methods and recent developments in social research as well as application of research methods in the planning and execution of specific projects.

Social Group Work (second semester): Instructor to be announced.

Principles of group work, with special reference to the relationship of group work to other areas of social work practice such as casework and community organization.

Sociology and Anthropology

Associate Professor of Anthropology: Frederica de Laguna, Ph.D.

Assistant Professor of Sociology: Eugene V. Schneider, Ph.D.

Associate Professor of Social Economy: Hertha Kraus, Ph.D.[1]

Each Seminary meets two hours weekly.

Seminary: Dr. de Laguna.

The seminary given is selected from the following:

Cultural Dynamics
American Indian Culture History
Ethnographic Theory

Seminary: Dr. Schneider.

The seminary given is selected from the following:

Social Structure of Industrial-Urban Societies
Contemporary Sociological Theory
Sociology of Knowledge

Students may join the Philadelphia Anthropological Society which meets once a month at the University of Pennsylvania Museum to hear and discuss papers by members and visiting scholars.

Advanced Undergraduate and Free Elective Courses

202a.* *Principles of Social Welfare:* Instructor to be announced.

Study of the principal social problems in modern industrial society and the means adopted for their solution by public and private agencies.

202b.* *Child Welfare:* Instructor to be announced.

Basic problems and methods of providing social and health services for children.

310. *Social Theory:* Dr. Schneider.

Analysis of the structure of social systems and of the nature of social action, theories of social disorganization and social change. Attention will be paid to the growth of social thought.

Spanish

Dean of the College: Dorothy Nepper Marshall, Ph.D.

Associate Professors: Manuel Alcalá, Litt.D.
José Maria Ferrater Mora, *Licenciado.*

Each seminary meets two hours weekly.

[1] On sabbatical leave for the year 1951-52.

Seminary: Dr. Alcalá.

1951-52: *Cervantes.*

A second seminary will be offered, the subject to be decided upon in accordance with the interests of the students.

Two of the following seminaries will be given in subsequent years:

Spanish Drama of the Golden Age: Mr. Ferrater Mora.

Twentieth Century Spanish Literature: Dr. Marshall.

Eighteenth Century Spanish Thought: Mr. Ferrater Mora.

Humanists of the Sixteenth Century: Dr. Alcalá.

ADVANCED UNDERGRADUATE COURSES

301a. *The Age of Cervantes:* Dr. Alcalá.

301b. *Spanish Drama of the Golden Age:* Mr. Ferrater Mora.

303. *Spanish Thought and Essay of the Nineteenth and Twentieth Centuries:* Mr. Ferrater Mora.

Interdepartmental Courses

The following courses are given by several departments in cooperation. The object is to cut across well defined areas of knowledge and to show the relationships existing among them.

[202.* *Aspects of Eighteenth Century Life and Thought:* Dr. Manning, Dr. Northrop, Miss Stapleton.]

203. *The Development of Scientific Thought:* Dr. Wyckoff, Dr. Oppenheimer.

The study of the development of scientific ideas and techniques in chronological sequence, and their origins, interrelationships, and impact on other intellectual activities of various periods. Open to students who have had one year of laboratory science in college. (This course is also listed as Biology 307 and as Geology 306*.]

210. *Soviet Political and Economic Development:* Dr. Holland Hunter of Haverford College and Mr. Michaels.

A political and economic study of the U.S.S.R., 1917 to the present, with brief examination of the pre-revolutionary background. Political and economic institutions and processes are dealt with as integrated aspects of Soviet development.

[301. *The Theory and Practice of Democracy:* Dr. Wells, Miss Stapleton, Dr. Stearns, Dr. Hubbard.]

The fundamental concepts of democracy and their expression in governmental institutions; their relationship to contemporary political problems.

302. *The Contemporary European Novel:* Dr. Marshall, Miss Brée, Dr. Politzer.

THE DEGREES OF MASTER OF ARTS AND DOCTOR OF PHILOSOPHY

Bryn Mawr College awards the degrees of Master of Arts, Doctor of Philosophy, and Master of Social Service. Pamphlets containing full information about the degrees of Master of Arts and Doctor of Philosophy may be obtained on request from the Office of the Dean of the Graduate School. For the requirements for the degree of Master of Social Service see page 48 of this Calendar.

THE DEGREE OF MASTER OF ARTS

The degree represents the completion of a coordinated program of graduate work which, for a well prepared candidate, requires a minimum of a full year of graduate study. Work for the degree may be spread over two or three academic years which need not be in succession but must be included in a five-year period. Only courses taken at Bryn Mawr College are credited for the degree.

Prerequisites. The prerequisite for the M.A. degree is an A.B. degree or its equivalent from an American college of recognized standing or a degree or certificate of the same standard from a foreign university. The preparation must include such undergraduate work in the candidate's major subject and allied fields as various departments shall require.

Application. The candidate must apply for the degree in the department of the major work and must receive the endorsement of the department for the program of work. The application and the program endorsed by the major department must be submitted to the Dean of the Graduate School not later than December first of the academic year in which the candidate wishes to take the degree.

Language Requirement. A reading knowledge of French and German is in general required of all candidates. For the reading knowledge of one of these languages, certain departments may accept another language or a special technique. The only departments which regularly accept substitutes for French or German are Economics, Educational Psychology, Geology, Political Science, Psychology, Social Economy, and Spanish. Candidates whose major work is in French or German must offer a reading knowledge of another language.

A student whose mother tongue is French may offer German and English as languages to meet this requirement. A student whose mother tongue is German may offer French and English. A foreign student whose mother tongue is not French, German or English may offer French or German and English. The requirement in English shall be met by a certificate from the student's major

department that her English is adequate or by a special examination given by her department not later than January in the year in which the degree is to be taken. This special regulation for foreign candidates does not prevent a department from refusing admission to any seminary to a student whose language equipment is not satisfactory for that seminary.

The language requirement is met by passing one of two types of papers, hereafter referred to as the A.B. and the Ph.D. types. (1) A.B. type: a general test of reading at sight and with a dictionary which is given by Bryn Mawr College to candidates for the A.B. degree. (2) Ph.D. type: a test set by the major department in reading at sight and with a dictionary technical material in the candidate's field such as is required of Ph.D. candidates at Bryn Mawr College. Departments vary in the type of paper required.

Examinations in languages and in the techniques which may be substituted for one language will be held three times each year, in October, January, and April. The April examination is open only to candidates for the degree in later years. The two examinations required of each student must be passed by January of the academic year in which the student is a candidate; for students who take more than one year for the degree, both examinations must be passed by January of the year in which the last full unit for the degree is taken.

Students are expected to prepare for these examinations before entering upon the work for the M.A. degree and are strongly urged to take both examinations in October. Students who do not meet the two requirements in languages and techniques in October may find it impossible to carry a full program and complete the requirements for the degree in one year. All departments except Biology, Classical Archæology, Mathematics, and Spanish refuse to accept as candidates in the current year students who have not passed at least one of the examinations in October.

Program of Work. The candidate's program must include three units of work: (1) one seminary or graduate course; (2) a second seminary or supervised unit of graduate work; (3) a third seminary or an undergraduate course recommended by the major department. If undergraduate courses are included in this last unit, they must be supplemented by organized individual work. Under certain circumstances advanced undergraduate courses in science can be counted as seminaries, subject to the approval of the department and the Dean of the Graduate School. It is expected that this program will frequently include study in an allied field. Candidates whose major department conducts a Journal Club are expected to include the Journal Club in their registration.

Special Field. The candidate shall, in consultation with the major department, select a special field for the M.A. paper and the Final Examination. It is expected that this field will normally relate to one of the seminaries or units of graduate work in the candidate's program.

Final Requirements.

1. *Courses.* Before the Final Examination period, candidates must have completed to the satisfaction of their instructors the courses registered for the degree. No candidate will be admitted to the Final Examination if a course is reported as unsatisfactory.

2. *Paper in the Special Field of the Student's Major Subject.* Every candidate must present a paper in the special field. The paper may take the form of a report on a special piece of investigation carried on throughout the year or during a definite period, or of a problem which is assigned to be completed during a specified limit of time.

3. *An Examination.* Every candidate must pass a Final Examination which shall test her ability to place the special field in a general background of her major subject.

The Final Examination may not be taken until

(1) the language requirements have been met (by January of the year in which the last full unit for the degree is registered);

(2) the three units have been reported as satisfactory;

(3) the paper in the special field has been accepted.

THE DEGREE OF DOCTOR OF PHILOSOPHY

The course of study for the degree of Doctor of Philosophy at Bryn Mawr College is designed to prepare the candidate for a professional career as a scholar. The course offers the student the opportunity to acquire a broad general background in the chosen fields of knowledge and practice in research in these fields. The degree is awarded after the student's general knowledge and ability in research have been tested by examination and by a dissertation.

The candidate for the Ph.D. degree should have ability of high order, intellectual curiosity and critical judgment, independence, a broad general education, fundamental training in the major and allied fields and the determination needed to carry through an exacting program.

The general requirements for the Ph.D. degree, to which should be added the specific regulations of the various departments, are:

1. An undergraduate preparation in major and allied fields which is satisfactory to the departments concerned and to the Graduate Committee.

2. A course of study requiring a minimum, which will usually be exceeded, of three full years of graduate work in major and allied fields; two of these years, or for holders of the A.B. degree from Bryn Mawr College one, must be spent in the Graduate School of Bryn Mawr College. Candidates are strongly advised to

complete at least seven units of graduate work including five graduate courses; there are, however, no formal course requirements for students who have been accepted as candidates for the degree.

3. The acceptance of the student as a candidate by the Director of her work, by members of her major department, and by the Graduate Committee.

4. A reading knowledge of French and German, tested by a written examination in the translation of French and German texts in the field of the major subject.

5. A satisfactory Preliminary Examination in the candidate's major and allied fields. This examination is intended to test the candidate's general knowledge of the fields rather than familiarity with particular courses.

6. The preparation of a dissertation judged to be a contribution worthy of publication. The dissertation must represent independent investigation in the field covered by the major subject. It must contain new material, results or interpretations.

7. A satisfactory Final Examination in the special field of the major subject in which the dissertation has been written.

8. The publication of the dissertation in whole or in part. Microfilming is accepted as a method of publication.

THE LIBRARY

The M. Carey Thomas Library now contains over 225,000 volumes. About one thousand periodicals are received currently in all languages taught in the college. Books pertaining more particularly to graduate studies as well as bound periodicals and some reference works are kept in the fourteen seminary rooms of the main library for the exclusive use of graduate students and faculty. Material pertaining to the sciences is shelved in the two science buildings, Park Hall and Dalton Hall, where are the five science collections: geology (including over 25,000 maps on deposit from the Army Map Service and thousands of others from various other geological services of the world) and chemistry in the former, and physics, biology and mathematics in the latter.

The open shelf system provides the maximum of free access to the stacks as well as to the seminaries so that almost all books except those in the Rare Book Room are directly available to the students.

Carrels are provided for the use of graduate students in the new part of the library called the West Wing. Here too is the Quita Woodward Memorial Room where about 2000 volumes, especially selected for leisure time reading, are shelved.

Bryn Mawr students have the privilege of using the library of nearby Haverford College upon presenting a card of introduction. This college's book collection is made easily available by the interfiling of all "author" cards for Haverford books in the Bryn Mawr dictionary catalogue.

Other facilities available to graduate students are the rich resources in the libraries of the Philadelphia area. Through the services of the Union Library Catalogue in the Fine Arts Building at the University of Pennsylvania any volumes within the area may be easily located. The Philadelphia Bibliographical Center and Union Library Catalogue has recorded over 3,500,000 titles in over 160 libraries in the region by which research workers are aided in bibliographical problems outside the scope of any one library. Through this channel the great collections of the University of Pennsylvania, the Free Library of Philadelphia, the Historical Society of Pennsylvania as well as the Library Company of Philadelphia, the American Philosophical Society, the Franklin Institute, the Academy of Natural Sciences, the College of Physicians, Swarthmore College and Temple University are made available. Graduate students who wish to use other libraries for purposes of reference may secure letters of introduction from the Bryn Mawr librarian.

The Bryn Mawr Library is open daily from 8 A.M. to 10 P.M. The main stacks are, however, closed Sunday until 2 P.M.

RESIDENCE AND EXPENSES

Every graduate student must register immediately at the office of the Dean of the Graduate School.

Holders of resident fellowships and scholarships are expected to live in the Graduate Center, which consists of a residence hall and two small apartments close by. Other graduate students may live in the Graduate Center if rooms are available. Students not in residence are expected to make arrangements satisfactory to the Dean of the Graduate School. With the exception of three double rooms, all rooms in the Graduate Center are single. They are fully furnished except for rugs, curtains, and towels, which the student is expected to provide.

Application for a room should be made as early as possible. A room-contract, which will be sent on request, must be signed and returned with the registration fee of ten dollars to the Dean of the Graduate School. The amount of this fee will be deducted from the residence fee. The registration fee will not be refunded under any circumstances. A student in residence or a new student who cancels her reservation after September first prevents some other student from obtaining accommodation. Therefore unless a student sends notice of withdrawal in writing to the Dean of the Graduate School before September first, she is responsible for that portion of the residence charge which the College loses by reason of her withdrawal, whether she fails to occupy the room at all or vacates it during the year. Appropriate reduction or remission is made for that portion of the residence fee which represents reduced expense to the College for food; a further remission or reduction is made if the College is able to reassign the student's room to some other student not previously in residence. The student herself is not entitled to dispose of the room she leaves vacant. In case of absence from the College extending over six weeks or more, owing to illness, there will be a proportionate reduction in the charge for the cost of food.

The regular charge for residence (room and board) for graduate students is $750 a year, payable $450 in the first semester and $300 in the second semester. The charge for residence for occupants of the three double rooms is $675 a year, payable $375 in the first semester and $300 in the second semester.

The residence halls are closed during the Christmas vacation but accommodations in the neighborhood can usually be secured by graduate students who wish to continue their work. During the spring vacation one hall of residence is kept open and graduate students may occupy rooms in it at a fixed rate. Any student remaining in Bryn Mawr or nearby and not in the College or in her own home for all or part of a vacation must make arrangements satisfactory to the Dean of the Graduate School.

The College reserves the right to exclude at any time students whose conduct or whose academic standing renders them undesirable

members of the college communiy. In such cases fees due or paid in advance will not be refunded or remitted in whole or in part; fellowships and scholarships will be cancelled.

The College reserves the right, if parents cannot be reached, to make decisions concerning emergency operations or other matters of health in regard to the students.

The tuition fee for graduate students is four hundred dollars a year, payable one half early in the first semester and the other half early in the second semester. For students registered for less than full-time work the fees are as follows:

For one graduate course or seminary, or one unit of independent work $150

For one undergraduate course 175
(Candidates for the degree of Master of Arts or Master of Social Service are charged $150 for an undergraduate course which is taken in partial fulfilment of the requirements for that degree.)

Fees for auditors are the same as for students registered in courses for credit.

Students in the departments of Physics, Chemistry, Geology, Biology, and Psychology, whose laboratory or field work is done in connection with a graduate course or an advanced undergraduate course which may be counted for an advanced degree, are charged a laboratory fee of $10 a semester for each course, the maximum fee charged not to exceed $25. The fee for laboratory work done in connection with a first or second year undergraduate course is $15 a semester.

All students taking courses which require field work in the Department of Social Economy and Social Research are charged a laboratory fee of $10 a semester for each course taken during the academic year and a fee of $10 for summer field work. This fee covers a part of the expenses of field supervision. In addition students are required to meet their travelling and incidental expenses while working in the field during the academic year and vacations.

The graduation fee for Doctors of Philosophy, Masters of Arts, and Masters of Social Service is $20.00.

The Office of the Recorder will supply on request one transcript of the record of each graduate student free of charge. For additional transcripts a charge of $1.00 each will be made.

Summary of Total Expenses for the Academic Year

Tuition fee (not counting laboratory fees)..... $400
Residence 750

Total $1150

For occupants of the three double rooms in the Graduate Center the residence fee is $675 and the total expenses are $1075.

Students whose fees are not paid before November first in the first semester and before March first in the second will not be permitted to continue in residence or to attend their classes. No reduction of the tuition fee will be made on account of absence or dismissal or for any other reason.

GRADUATE CLUB

All resident students in the Graduate School are members of the Graduate Club and non-resident students may become members. The organization of the life of the graduate students in all matters not purely academic or affecting hall management is in the hands of the club. The President of the Graduate Club is a member of the College Council, a non-legislative body which meets periodically to discuss matters concerning the College as a whole. The Council of the Graduate Club considers policies relating particularly to the Graduate School.

HEALTH

Every graduate student whether resident or non-resident must file a physician's certificate stating that she has been vaccinated against smallpox during the year before entrance to the Graduate School and that she exhibited a typical or immune reaction to this vaccination. Students who do not certify to vaccination will be vaccinated at the time of their entrance physical examinations and charged a fee of two dollars. There is no exception to this rule.

Every entering resident graduate student is required to file at the office of the Dean of the Graduate School, on a blank to be secured from the Dean of the Graduate School, a report of a recent medical examination, filled out and signed by a physician.

Resident students must present on a separate blank a statement of immunization against tetanus by toxoid and of evidence of a negative Schick test. If these have not been done by the time the student arrives in Bryn Mawr, these tests will be done at the time of the initial physical examination at a fee of one dollar for each test.

Every resident graduate student must file a certificate stating that her eyes have been examined by an ophthalmologist within six months before entrance to the Graduate School. Failure to comply with the above rule entails an examination by one of the college consultants for which the student will be charged as a private patient by the ophthalmologist who makes the examination.

Every resident graduate student has a chest X-ray film at the beginning of each year. These 70 mm. photofluorographic films are made free by Bureau Tuberculosis Control, State of Pennsylvania Department of Health. If necessary the plate is checked by a flat chest plate at Bryn Mawr Hospital. The student is charged at the prevailing private patient rates of the Bryn Mawr Hospital. Any graduate student who has had a chest X-ray within four months preceding the opening of any year will be excused from this procedure, provided a complete report has been filed with the College before September fifteenth of the year in question.

Every resident graduate student is examined each year by the Physician of the College, with reference to physical development and general health. Any graduate student who at the time of the examination or at any time during the year is not in good health is placed on the health supervision list.

The College Physician is in her office in the college infirmary daily and may be consulted by the students without charge. Specialists practicing in Bryn Mawr and Philadelphia serve as consulting physicians to the College. The fees of the consulting physicians and surgeons and other specialists recommended by the College will be furnished on request. The infirmary is open when college is in session and during the spring vacation. It is closed during the Christmas vacation.

The residence charge paid by each resident graduate student entitles her to free consultation with the College Physicians and to treatment in the college dispensary. It also entitles her to be cared for in the infirmary for seven days (not necessarily consecutive) during the year and to attendance by the College Physicians during this time and to nursing, provided her illness is not contagious and is not sufficiently serious to require the services of a special nurse. The fee for each day in the infirmary after the seven-day period is six dollars. In case of contagious disease the student must meet or share the expense of special nursing.

Non-resident graduate students may, if they so desire, pay a non-resident infirmary fee of five dollars which entitles them to a medical examination by the College Physician and to dispensary care. Non-resident students may also take the opportunity to have a paper plate chest X-ray at a fee of about two dollars when the annual college X-ray survey is made in the autumn.

FELLOWSHIPS AND SCHOLARSHIPS

Application

Applications for resident fellowships and scholarships should be made to the Dean of the Graduate School and must be filed not later than March first preceding the academic year for which they are desired. Blanks are forwarded to all applicants by the Dean. Awards are announced each year on April first. Original papers and photographs, sent by applicants in support of their applications, will be returned only if postage is enclosed for that purpose, or specific instructions are given for return by express. Testimonials and letters from professors and instructors are filed for reference.

Applications for scholarships for foreign women must be received not later than March 10th. Awards will be announced before April 15th.

Duties of Resident Fellows and Scholars

Resident fellows and scholars are expected to live in the Graduate Center, to attend official functions of the College, and to assist in the conduct of examinations. Holders of fellowships are expected to give about an hour and a half a week to special work assigned by their departments, and are not permitted to teach or to undertake any other duties in addition to their college work. Holders of scholarships may, with the approval of the Dean of the Graduate School, make their own arrangements to do a limited amount of paid work. Resident fellows and scholars must pay the usual fees and charges (see pages 59-60).

Travelling Fellowships

The Bryn Mawr European Fellowship, value $1000, founded in 1889, is awarded annually to a member of the graduating class, to be applied toward the expenses of one year's study at some foreign university. For the present, it may be held in an American university. The holder of this fellowship receives in addition an Elizabeth S. Shippen Scholarship, value $200.

The Fanny Bullock Workman Fellowship, value $1200, for a year of study or research abroad or in special cases in the United States, was established in 1927 by bequest of Fanny Bullock Workman and by gift of her husband, Dr. W. Hunter Workman. It is awarded to a candidate for the degree of Doctor of Philosophy at Bryn Mawr College who could not have the advantages of such a year without assistance. At the discretion of the Faculty, the fellowship for any one year may be divided between two students, or the same student may hold the fellowship for more than one year.

The Anna Ottendorfer Memorial Research Fellowship, value $1000, in German and Teutonic Philology, founded in 1907 by Mrs. Anna Woerishoffer of New York City in memory of her mother, is to be applied to the expenses of study and residence for

one year at some German university. It is awarded annually to a candidate who has completed at least one year of graduate study at Bryn Mawr College, on the basis of evidence regarding her ability to conduct independent investigations in the fields of Teutonic Philology or German. The choice of a university is determined by the holder's preference subject to the approval of the Faculty.

The Ella Riegel Fellowship or *Scholarship* in Classical Archæology was founded in 1937 by bequest of Ella Riegel. It is awarded on the recommendation of the Department of Classical Archæology and only to advanced students in this subject. It is given for study abroad but may, at the discretion of the department, be used at Bryn Mawr College.

RESIDENT FELLOWSHIPS

Twenty *Resident Fellowships,* value $1250 each, are offered annually in Biology, Chemistry, Classical Archæology, Economics, English, Geology, German, Greek, History, History of Art, Latin, Mathematics, Mediæval Studies (the Howard Lehman Goodhart Fellowship), Philosophy, Physics, Political Science (the Justus C. Strawbridge Fellowship), Psychology, Romance Languages (two fellowships), Social Economy (two Carola Woerishoffer Memorial Fellowships), and Sociology and Anthropology. They are open for competition to American and Canadian students who are graduates of colleges of good standing, and who have completed at least one full year of graduate work.

Fellows who continue their studies at the College after the expiration of their fellowships may, by a vote of the Directors, receive the rank of Fellows by Courtesy.

The Helen Schaeffer Huff Memorial Research Fellowship. This fellowship is awarded for a year of research work in Physics or Chemistry at Bryn Mawr College. Candidates must be women who have demonstrated their ability for research. If other qualifications are equal among a number of candidates, preference will be given to a woman whose field of research overlaps the fields of Chemistry and Physics. This fellowship is normally awarded to a post-doctoral candidate to enable her to continue her research program. In such cases the stipend will be $2000. In exceptional cases, candidates engaged in important research who have not completed the work for the doctorate will be considered. For such students the stipend will be smaller, the amount to be determined on the basis of the candidate's qualifications.

The Helen Schaeffer Huff Memorial Research Fellow has no duties except those connected with her own research, but she may arrange with the department in which she is working to do a small amount of teaching if she so desires. The holder of this fellowship may, if she wishes, live in the Graduate Center.

Scholarships for Foreign Women

By special action of the Directors, two or three resident scholarships of $1150 each are offered in 1951-52 to qualified foreign students. One of these scholarships is reserved for a candidate from Great Britain. This candidate regularly also holds an English-Speaking Union Fellowship.

Special Foreign Scholarships for French, German, Italian and Spanish have been established for countries whose languages form part of the Bryn Mawr curriculum. Under this arrangement, Bryn Mawr College gives board, lodging, and tuition to the scholars and asks them to devote four or five hours a week to supervised teaching or other assistance in the department.

The Special Scholarship for French has been named by the Board of Directors of Bryn Mawr College in memory of Marcelle Pardé who was a member of the French Department of Bryn Mawr College between 1919 and 1929, and at the time of her death in the German prison camp at Ravensbrück was the Directrice de la Lycée de Jeunes Filles at Dijon.

Resident Graduate Scholarships

Nineteen *Resident Graduate Scholarships,* value $650 each, are offered annually in open competition to students who are graduates of colleges of good standing.

In rare cases applicants for these scholarships may, on the basis of financial need, be given a supplementary grant not to exceed $200. Applicants for such grants must fill out a special form giving a report on their financial status. Application should be made by March first.

The *Lillia Babbitt Hyde Foundation Scholarship,* of $1000, in science and pre-medical studies, to be held during the first year of graduate work, is open to students of Biology, Chemistry and Physics. All applicants for resident scholarships for the first year of graduate work in those fields will be considered for this scholarship. The award is made on the recommendation of the three departments.

Fellowships and Scholarships Under the Plan for Coordination of the Sciences

Three Scholarships of the value of $700 each are offered to qualified students who have had undergraduate training in two or more of the natural sciences and who wish to continue study in fields such as Biochemistry, Biophysics, Crystallography, Geochemistry, Geophysics or Psychophysics.

Three Fellowships of the value of $1250 each are offered to candidates in the same fields who, in addition to undergraduate training, have had at least a year of graduate work in science.

These Scholars and Fellows will pay the regular tuition fee of $400 a year and laboratory fees up to $25 a semester. For residence in the Graduate Center an additional $750 will be charged.

NON-RESIDENT GRADUATE SCHOLARSHIPS

Six *Non-Resident Tuition Scholarships,* value $400 each, are offered annually to graduate students whose homes are in the vicinity of the College.

Social Agency Scholarships in Social Economy, value ranging from $500 to $1100 for first-year and second-year students are given by various social agencies and social service departments of hospitals in Philadelphia and the vicinity. Holders will be placed for supervised field work with the agencies giving the scholarships. They may live in the Graduate Center.

The Susan M. Kingsbury Research Grant in Social Economy and Social Research, value $300, is awarded every third year on the recommendation of the Director of the Carola Woerishoffer Graduate Department of Social Economy and Social Research to advanced students, preferably candidates for the degree of Doctor of Philosophy. Holders of this grant may live in the Graduate Center.

DEMONSTRATORSHIPS AND ASSISTANTSHIPS

Demonstratorships and Assistantships varying from one-half to one-third time and enabling the student to carry graduate work with free tuition are open to students in the Departments of Biology, Chemistry, Geology, History of Art, Mathematics, Philosophy, Physics, and Psychology. For further information candidates should consult the Department and see the departmental announcements issued each year.

RESEARCH ASSISTANTSHIPS

The Susan M. Kingsbury Research Assistantship in Social Economy and Social Research, value $1200 and a remission of tuition, is awarded annually on the recommendation of the Director of the Carola Woerishoffer Graduate Department of Social Economy and Social Research. It is open to graduates of any college of good standing, preferably to advanced students and candidates for the degree of Doctor of Philosophy, who, from either training or experience, have knowledge of methods and techniques in social investigation. The holder will give half of her time to the research of the Department and half of her time to study.

From time to time research assistantships are available in other departments. These assistantships are noted each year on the departmental announcements. They carry a stipend and provide free tuition in the Graduate School.

GRADUATE PRIZE

The Susan B. Anthony Memorial Prize, value $500, commemorating the great work of Susan B. Anthony for women, was founded by her friend, Anna Howard Shaw, and her niece, Lucy E. Anthony. It is offered every two years to a graduate student at Bryn Mawr College who has published or submitted in final form for publication the best study dealing with the industrial, social, economic, or political position of women in the past, present, or future. The award is made by a committee of which the President of the College is chairman.

EMMY NOETHER FELLOWSHIP

The Emmy Noether Fellowship in Mathematics was founded by gifts from many donors in memory of Emmy Noether who came to Bryn Mawr College from Germany in 1933 and who died April 14, 1935. It is open to women in the United States and in foreign countries who are advanced graduate students of Mathematics. It is awarded by the Department of Mathematics in Bryn Mawr College, and may be used, subject to the approval of the Department, at any institution in the United States or in a foreign country.

STUDENTS' LOAN FUND

The Students' Loan Fund of the Alumnæ Association of Bryn Mawr College was founded by the Class of 1890 for the use of students who need to borrow money in order to continue their college work and for the purpose of receiving contributions, no matter how small, from those who are interested in helping students to obtain an education. The fund is managed by the Alumnæ Scholarships and Loan Fund Committee.

The committee in administering this money follows a definite policy, designed to serve the best interests of the students concerned. Loans may be used for any purpose approved by the committee, who strongly recommend the borrowing of small sums to relieve undue financial pressure, or to meet special emergencies. As a rule, money is not loaned to students in their first semester of graduate work.

The terms under which money is loaned are as liberal as is consistent with business-like principles. While the student is in College interest is charged at the rate of one per cent; after the student leaves College the interest rate is two per cent. The entire principal must be repaid within five years from the time the student leaves College at the rate of twenty per cent each year.

Contributions to the Loan Fund may be sent to the Chairman of the Scholarships and Loan Fund Committee, Alumnæ Office, The Deanery, Bryn Mawr, Pennsylvania. Students who wish to borrow from the Loan Fund may obtain application blanks for this purpose from the Alumnæ Office.

Mary Hill Swope Loan Fund

This fund was established June 1, 1945 by a gift of Mrs. Gerard Swope (Mary Hill, A.B. 1896) under the following conditions:

To assist in the education of young women irrespective of color or creed attending Bryn Mawr College, the income of the fund to be loaned to students in the following manner:

1. The following order of preference shall be followed in awarding such loans:
 A. To students coming from New Jersey.
 B. To students coming from Missouri.
 C. To students coming from any other location who have had not less than one year of residence at the College.
2. The loans in the above order of preference, and in the following manner, shall be awarded by the President of Bryn Mawr College, or by a Committee appointed by her from time to time.

3. Applicants for loans shall be considered not only from the standpoint of academic attainment and financial need, but also from the standpoint of character and personal qualifications for deriving the greatest good from a continuation of their studies.
4. These loans shall be used primarily to enable the exceptional student to continue her studies which otherwise would be prevented through lack of means.
5. In the awarding of the loans, the recipient should understand that if in after years she is in a position to do so, she is to repay to the income account of the Loan Fund the amount so loaned to her, with or without interest. It is to be understood that this is entirely a moral obligation upon the recipient.

Memorial Loan Funds

The Bertha Goldstein Memorial Loan Fund, the Rachel Pflaum Memorial Loan Fund and the Ethel Rupert Loan Fund are revolving funds from which, upon recommendation of the Department of Social Economy, a limited number of loans may be made to graduate students of Social Economy. Loans are made without interest and must be repaid within one year after completion of study at Bryn Mawr.

THE BUREAU OF RECOMMENDATIONS

The College conducts a Bureau of Recommendations for alumnæ, students, and former students. This bureau offers an employment service for permanent, temporary, and part-time positions; and a vocational service for the student body, which includes vocational tests, assistance in choosing a vocation, and the presentation of a series of conferences and lectures. It also acts as a clearing house for letters of recommendation for those who have registered with the bureau. These letters will be sent, upon request, to prospective employers and other agencies.

FELLOWS, SCHOLARS AND GRADUATE STUDENTS
1950-51

Travelling Fellows

NELSON, HAVILAND.....*Fanny Bullock Workman Travelling Fellow*
Frederick, Md. A.B. Bryn Mawr College 1934; M.A. University of California 1939.

COHEN, CAROLYN.....*Bryn Mawr European Fellow, Shippen Foreign Scholar*
New York, N. Y. A.B. Bryn Mawr College 1950.

HOLBORN, HANNA DOROTHEA.....*Bryn Mawr European Fellow, Shippen Foreign Scholar*
Hamden, Conn. A.B. Bryn Mawr College 1950.

Resident Fellows

ASHBY, NANCY LOYD.....*Fellow in Classical Archæology*
Geneva, Ill. A.B. Wells College 1949; M.A. Bryn Mawr College 1950.

MORRISON, JOAN.....*Fellow in English*
Montreal, Que., Canada. B.A. McGill University 1949.

JAEKEL, JULIE ANNE KLOVSTAD[1].....*Fellow in Geology*
Boulder, Colo. A.B. University of Missouri 1945.

MORRISON, MARY BARBARA.....*Fellow in German*
Belmont, Mass. A.B. Wellesley College 1946; M.A. Radcliffe College 1949.

HUGHES, BARABARA LENORE.....*Fellow in Greek*
Kenosha, Wis. A.B. University of Wisconsin 1949; M.A. Bryn Mawr College 1950.

SILK, DORIS.....*Fellow in History*
Jamaica, N. Y. A.B. Queens College 1948; M.A. Smith College 1949.

VEALS, MARION ALICE.....*Fellow in History of Art*
Toronto, Ont., Canada. B.A. University of Toronto 1949; M.A. Bryn Mawr College 1951.

HOFFMAN, MARTHA WILSON.....*Fellow in Latin*
Berkeley, Calif. A.B. University of California 1943; M.A. Bryn Mawr College 1949 and Ph.D. 1951.

HOWK, JANE ELIZABETH.....*Howard L. Goodhart Fellow in Mediæval Studies, Semester I*
Chattanooga, Tenn. A.B. University of Chattanooga 1948.

FARRELLY, ELIZABETH ANN.....*Fellow in Physics*
Edgewood, R. I. B.S. Pembroke College 1949; M.A. Bryn Mawr College 1951.

MARSHALL, JANE H.....*Carola Woerishoffer Fellow in Social Economy*
West Chester, Pa. A.B. University of Pennsylvania 1946; M.S.S. Bryn Mawr College 1951.

[1] Mrs. Hans Jaekel.

Fellow by Courtesy

HABIB, WADAD.....*Fellow by Courtesy in Philosophy*
Cairo, Egypt. B.A. American University at Cairo 1946; M.A. Bryn Mawr College 1948 and Ph.D. 1951.

Foreign Scholars

BECKETT, MARJORIE CONSTANCE.....*British Foreign Scholar and Sir John Dill Fellow of The English-Speaking Union*
London, England. B.Sc. Chelsea Polytechnic 1950; M.A. Bryn Mawr College 1951.

ESTEVA ZUÑIGA, CARMEN.....*Special Foreign Scholar for Spanish*
Mexico City, Mexico. Bachelor in Philosophy and Social Sciences, National University of Mexico, 1950; M.A. Bryn Mawr College 1951.

FORESTER, ALISON HERBERT.....*Foreign Graduate Scholar*
Marton, New Zealand. B.A. University of New Zealand 1949 and M.A. 1950.

FUCHS, GERTRUD.....*Special Foreign Scholar for German*
Feuchtwangen, Germany. *Studienreferendarin,* University of Erlangen, 1950.

IYENGAR, PADMINI RANGASWAMY.....*Foreign Graduate Scholar*
Poona, India. B.A. Fergusson College 1947 and M.A. 1949; M.A. Bryn Mawr College 1951.

KOMIS, MARIA ZOË.....*Foreign Graduate Scholar*
Athens, Greece. Diploma, University of Athens, 1950; M.A. Bryn Mawr College 1951.

LEHMANN, MARIANNE BELLA....*Marcelle Pardé Scholar for French*
Paris, France. *Licence d'Anglais,* University of Paris, 1949; M.A. Bryn Mawr College 1951.

MEIER, KARLA.....*Foreign Graduate Scholar*
Hamburg, Germany. *Reifezeug nis,* University of Hamburg, 1948.

SPADA, AMALIA.....*Special Foreign Scholar for Italian, Semester I*
Cosenza, Italy. *Laurea in Sc. Nat.,* University of Naples, 1948.

Graduate Scholars

SNYDER, MURIEL.....*Lillia Babbitt Hyde Foundation Scholar in Chemistry*
Charleroi, Pa. A.B. University of Pennsylvania 1950; M.A. Bryn Mawr College 1951.

PUTNEY, FRANCES KATHARINE.....*Resident Scholar in Chemistry*
Delaware, Ohio. A.B. Bryn Mawr College 1950 and M.A. 1951.

MATHIS, ANNA CAROLYN.....*Non-Resident Scholar in Classical Archæology*
Fitzgerald, Ga. A.B. Georgia State Woman's College 1949; M.A. University of Pennsylvania 1951.

MCLEOD, THELMA-ANNE.....*Resident Scholar in English*
Regina, Sask., Canada. B.A. Queens University 1950; M.A. Bryn Mawr College 1951.

GOLDBERGER, AVRIEL HORWITZ[2].....*Non-Resident Scholar in French*
Philadelphia, Pa. A.B. University of Pennsylvania 1949; M.A. Bryn Mawr College 1951.

SPENCE, EMILY MARIE..... *Resident Scholar in Greek*
Edmonton, Alberta, Canada. B.A. University of Alberta 1950.

BAUGHMAN, MILDRED LOIS.....*Resident Scholar in History*
Washington, D. C. A.B. Wilson College 1949.

CLINE, CATHERINE ANN.....*Resident Scholar in History*
West Springfield, Mass. A.B. Smith College 1948; M.A. Columbia University 1950.

EBELING, ELSA VICTORIA.....*Resident Scholar in History*
Brooklyn, N. Y. A.B. Swarthmore College 1950.

DOW, HELEN JEANNETTE.....*Resident Scholar in History of Art*
Ottawa, Ont., Canada. B.A. University of Toronto 1949; M.A. Bryn Mawr College 1951.

TAYLOR, MARY AYER.....*Resident Scholar in Latin*
Highland Park, N. J. A.B. Mount Holyoke College 1950; M.A. Bryn Mawr College 1951.

LEISTEN, ANNETTE.....*Resident Scholar in Philosophy*
Newark, N. J. A.B. University of Illinois 1950; M.A. Bryn Mawr College 1951.

PENNEBAKER, MARTHA LEE.....*Resident Scholar in Philosophy*
Cookeville, Tenn. A.B. University of Kentucky 1950; M.A. Bryn Mawr College 1951.

TATE-SMITH, DIANA.....*Non-Resident Scholar in Philosophy*
Bryn Mawr, Pa. A.B. Bryn Mawr 1935.

BASSETT, NORMA ADNEE[3].....*Non-Resident Scholar in Psychology*
King of Prussia, Pa. A.B. Temple University 1945.

OPPENHEIMER, BERNICE RUBENSTEIN[4].....*Resident Scholar in Social Economy*
Philadelphia, Pa. B.S. Cornell University 1950.

MCDERMOTT, SARA.....*Non-Resident Scholar in Social Economy*
Lansdowne, Pa. A.B. Duke University 1950.

WEIMAN, SHIRLEY OSTROFF[5].....*Non-Resident Scholar in Social Economy*
Philadelphia, Pa. A.B. University of Pennsylvania 1950.

ZIEGLER, BARBARA JEAN.....*Non-Resident Scholar in Social Economy*
Philadelphia, Pa. A.B. Bryn Mawr College 1948.

LINTON, KATHERINE A.....*Special Tuition Scholar in Social Economy*
Philadelphia, Pa. A.B. Wilson College 1947; M.S.S. Bryn Mawr College 1951.

[2] Mrs. Arnold K. H. Goldberger.
[3] Mrs. Harry Bassett.
[4] Mrs. Theodore Oppenheimer.
[5] Mrs. Irving Weiman.

SCHWARTZ, DULCINE M.[6] *Special Tuition Scholar in Social Economy*
Drexel Hill, Pa. A.B. University of Pennsylvania 1942; M.S.S. Bryn Mawr College 1951.

WESSEL, SALLY LEVIT[7] *Non-Resident Social Economy Alumni Scholar*
Philadelphia, Pa. A.B. University of Pennsylvania 1950.

EBERT, ARLINE *Resident Scholar in Spanish*
Brooklyn, N. Y. A.B. Brooklyn College 1950; M.A. Bryn Mawr College 1951.

HALE, MARY LOU *Resident Scholar in Spanish*
Hayward, Calif. A.B. Mills College 1950; M.A. Bryn Mawr College 1951.

Graduate Students

AMSTUTZ, BETTY RUTH *Graduate Student in Social Economy*
Philadelphia, Pa. B.S. Wittenberg College 1949.

ANDERSON, ELLA TREW SIMPERS[8] *Graduate Student in English*
Darby, Pa. A.B. Wellesley College 1924; B.S. Drexel Institute of Technology 1949.

AUSTIN, DEBORAH SANDS *Graduate Student in English*
Canaan, N. H. A.B. Smith College 1943; M.A. Radcliffe College 1946.

BACON, HELEN *Graduate Student in Greek*
Peace Dale, R. I. A.B. Bryn Mawr College 1940.

BANTON, DOROTHY FASSITT[9] *Graduate Student in Social Economy, Semester I*
Wilmington, Del. B.S. Simmons College 1933.

BAUERS, ROBERT MÜNCH *Graduate Student in Social Economy*
Philadelphia, Pa. A.B. Muhlenberg College 1943; B.D. Lutheran Theological Seminary 1945; M.S.S. Bryn Mawr College 1951.

BENTMAN, RAYMOND *Graduate Student in Greek and Latin*
Philadelphia, Pa. A.B. Kenyon College 1950.

BIDDLE, CONSTANCE[10] *Graduate Student in Biology*
Newtown Square, Pa. A.B. Bryn Mawr College 1945.

BROBST, MARTHA WEBER *Graduate Student in Social Economy*
Telford, Pa. A.B. Capital University 1950.

BRODERSEN, LELIA *Graduate Student in Psychology*
Philadelphia, Pa. A.B. Bryn Mawr College 1933; M.A. Temple University 1950.

BRUMMETT, ANNA RUTH *Graduate Student in Biology*
Fort Smith, Ark. A.B. University of Arkansas 1948 and M.A. 1949.

BURCHUK, ISABEL *Graduate Student in Chemistry*
Philadelphia, Pa. A.B. Bryn Mawr College 1950 and M.A. 1951.

[6] Mrs. Dulcine M. Schwartz.
[7] Mrs. Andrew E. Wessel.
[8] Mrs. Paul A. Anderson.
[9] Mrs. Conwell Banton.
[10] Mrs. Sydney Biddle.

CLIFFORD, ESTHER ROWLAND[11]. *Graduate Student in History*
Radnor, Pa. A.B. Vassar College 1928.

CORDRAY, RICHARD ELLSWORTH. . . *Graduate Student in Mathematics*
Glenolden, Pa. A.B. Swarthmore College 1948.

CRAVEN, ROGER W. *Graduate Student in Social Economy*
Norristown, Pa. A.B. American University 1931 and M.A. 1934; M.S.S. Bryn Mawr College 1951.

CULIN, ELEANOR DAVIS. *Graduate Student in Social Economy*
Wynnewood, Pa. B.S. University of Pennsylvania 1927; M.S.S. Bryn Mawr College 1951.

DEJERSEY, MURRAY GORDON. *Graduate Student in Psychology, Semester I*
Montreal, Que., Canada. B.A. McGill University 1942 and M.A. 1946.

EASTON, ELIZABETH NAYLOR[12]. *Graduate Student in Social Economy*
Pitman, N. J. B.S. University of Pennsylvania 1931.

EBY, CHARLOTTE ANN. *Graduate Student in Social Economy*
Cynwyd, Pa. A.B. University of Pennsylvania 1947.

EMERSON, ELIZABETH. *Graduate Student in English*
Mount Vernon, N. Y. A.B. Mount Holyoke College 1935; M.A. University of Tennessee 1938.

ESTEVES, MARGARITA. *Graduate Student in Spanish*
Santurce, Puerto Rico. A.B. Sacred Heart College 1945; M.A. Bryn Mawr College 1946.

ETTHOFEN, SONJA-MARIA. *Graduate Student in Political Science*
Gmunden, Austria. University of Vienna 1947-50.

FÖLDY, ILONA M. *Graduate Student in Social Economy*
Bryn Mawr, Pa. Budapest University 1926-29.

FRANK, SELMA. *Graduate Student in Social Economy*
Philadelphia, Pa. A.B. University of Pennsylvania 1949.

FRECHIE, SELMA SEGAL[13]. *Graduate Student in Social Economy, Semester I*
Philadelphia, Pa. A.B. University of Pennsylvania 1941; M.S.S. Bryn Mawr College 1951.

FREED, GRACE EVELYN. *Graduate Student in Latin, Semester II*
Philadelphia, Pa. A.B. University of Pennsylvania 1950.

FREEDSON, MINNIE. *Graduate Student in Social Economy, Semester I*
Philadelphia, Pa. B.S. Temple University 1950.

GREENSTONE, ELAINE HURWITZ[14]. *Graduate Student in English*
Brooklyn, N. Y. A.B. New York University 1950; M.A. Bryn Mawr College 1951.

GRUN, RUTH ELIZABETH. *Graduate Student in History*
Kingston, Pa. A.B. Wellesley College 1943; M.A. Bryn Mawr College 1951.

[11] Mrs. Henry Clifford.
[12] Mrs. Ralph M. Easton.
[13] Mrs. Gordon R. Frechie.
[14] Mrs. James P. Greenstone.

GUERS, YVONNE MARIE-JEANNE.....*Graduate Student in French*
Thonon, France. *Licenciée-ès-lettres,* University of Aix-Marseille 1944; M.A. Bryn Mawr College 1951.

HACKNEY, CARL MARSHALL....*Graduate Student in Social Economy*
Philadelphia, Pa. B.S. Howard University 1950.

HAVENS, GIFFORD.....*Graduate Student in History of Art*
Bryn Mawr, Pa. A.B. Williams College 1943.

HERNÁNDEZ-BORCH, CARMEN.....*Graduate Student in Spanish, Semester I*
Santurce, Puerto Rico. B.S. Johns Hopkins University 1937; M.A. Bryn Mawr College 1951.

HILL, JOHN GORDON.....*Graduate Student in Social Economy*
Drexel Hill, Pa. A.B. Niagara University 1933 and M.A. 1934; M.S.S.W. New York School of Social Work 1944.

HORRAX, ELIZABETH DAINTRY.....*Graduate Student in Social Economy*
Chestnut Hill, Mass. A.B. Bryn Mawr College 1946.

HOWARD, CARA LYNN.....*Graduate Student in Spanish, Semester I*
Salisbury, Md. A.B. Goucher College 1950.

HUGGINS, PATRICIA JOAN.....*Graduate Student in Social Economy*
Baton Rouge, La. A.B. Howard University 1950.

HUTCHINSON, LOUISE FORBES[15]...*Graduate Student in Mathematics*
Strafford, Pa. A.B. Smith College 1936.

JACOB, NORMA PATRICIA[16]....*Graduate Student in Social Economy*
Wallingford, Pa. B.A. Oxford University 1931 and M.A. 1935.

JACOBS, TINA CLAIRE.....*Graduate Student in Social Economy*
New York, N. Y. A.B. Hunter College 1948; M.S.S. Bryn Mawr College 1951.

JANSEN, GEORGE JAMES.....*Graduate Student in Geology, Semester II*
Cynwyd, Pa. B.S. University of Notre Dame Jan. 1951.

JONES, ELLEN MARY.....*Graduate Student in History of Art, Semester I*
Philadelphia, Pa. A.B. Bryn Mawr College 1950.

KAPPES, CHRISTEL.....*Graduate Student in Chemistry*
Wynnewood, Pa. A.B. Bryn Mawr College 1949 and M.A. 1951.

KRAUS, ERNEST A.....*Graduate Student in Social Economy*
Lancaster, Pa. A.B. Franklin and Marshall College 1944; M.A., Teachers College, Columbia University, 1948.

LEBLANC, VIRGINIA GRAHAM[17].....*Graduate Student in French*
Bryn Mawr, Pa. A.B. Bryn Mawr College 1950.

LEITCH, JAMES FOSTER.....*Graduate Student in Psychology*
Philadelphia, Pa. A.B. University of Pennsylvania 1950.

LITWINCHUK, ALICE MARY.....*Graduate Student in History*
Wilkes-Barre, Pa. A.B. Temple University 1946 and M.A. 1947.

[15] Mrs. Edward Prince Hutchinson.
[16] Mrs. Alfred Bennis Jacob.
[17] Mrs. Hugues Leblanc.

LIVINGSTON, RAMONA T.[18] *Graduate Student in English*
Wayne, Pa. A.B. William Jewell College 1934.

LOW, MARJORIE ANNE *Graduate Student in English*
Washington, D. C. A.B. Bryn Mawr College 1950.

MAHER, EILEEN MARIE BEIER[19] *Graduate Student in Psychology*
Philadelphia, Pa. A.B. Temple University 1945 and M.A. 1948.

MARKOFF, ROBERT ALLEN *Graduate Student in Social Economy, Semester I*
Philadelphia, Pa. A.B. Temple University Feb. 1951.

MARTIN, ANNE HOWELL *Graduate Student in Philosophy*
Charleston, W. Va. A.B. Kalamazoo College 1948; M.A. Wellesley College 1949.

MARTIN, MARIANNE WINTER[20] ... *Graduate Student in History of Art*
Haverford, Pa. A.B. Hunter College 1945; M.A. University of Chicago 1947.

MAYER, GOETZ *Graduate Student in Social Economy*
Willow Grove, Pa. A.B. Haverford College 1949; M.S.S. Bryn Mawr College 1951.

MCAVOY, MARGARET JEAN *Graduate Student in Physics*
Hamilton, Ont., Canada. B.S. McMaster University 1950.

MCBRIDE, MARGARETE *Graduate Student in Political Science, Semester I*
Bryn Mawr, Pa. A.B. Bryn Mawr College 1946 and M.A. 1951.

MCCARRELL, NANCY JANE WALKER[21] *Graduate Student in Social Economy*
Dauphin, Pa. A.B. Dickinson College 1940.

MENKIN, MIRIAM FRIEDMAN[22] *Graduate Student in Biology*
Philadelphia, Pa. A.B. Cornell University 1922; M.A. Columbia University 1923.

NELIDOW, IRINA *Graduate Student in Chemistry*
New York, N. Y. A.B. Bryn Mawr College 1950.

NORTHEN, HELEN *Graduate Student in Social Economy*
Bryn Mawr, Pa. A.B. University of Washington 1939; M.S. University of Pittsburgh 1944.

OBERLIN, DAVID EUGENE *Graduate Student in Classical Archæology*
Massillon, Ohio. A.B. College of Wooster 1949; M.A. University of Pennsylvania 1950.

OLTMAN, JANICE RUTH[23] *Graduate Student in Social Economy*
Philadelphia, Pa. A.B. University of Pennsylvania 1949; M.S.S. Bryn Mawr College 1951.

PAINE, ROBERTA M. *Graduate Student in History of Art*
New York, N. Y. A.B. Barnard College 1947.

PHILLIPS, RILLA MARY *Graduate Student in Philosophy*
Seattle, Wash. A.B. Whitman College 1950.

PSAKI, HARRIETT JOSEFA AMSTER[24] .. *Graduate Student in Psychology*
Philadelphia, Pa. A.B. Bryn Mawr College 1950.

[18] Mrs. Wendell Livingston.
[19] Mrs. Eileen Beier Maher.
[20] Mrs. Richard M. Martin.
[21] Mrs. John W. McCarrell.
[22] Mrs. Miriam Friedman Menkin.
[23] Mrs. Jerome Oltman.
[24] Mrs. Martin Psaki.

PURINTON, JEAN.....*Graduate Student in Mathematics*
Beverly, Mass. A.B. Wheaton College 1949; M.A. Bryn Mawr College 1950.

RABIN, LUCILLE FEIDEN[25].....*Graduate Student in History of Art*
Philadelphia, Pa. A.B. Florida State University 1948; M.A. Bryn Mawr College 1950.

REIGHARD, LANIOUS KEIPER...*Graduate Student in Social Economy*
Lancaster, Pa. A.B. Franklin and Marshall College 1947; M.S.S. Bryn Mawr College 1951.

ROGERS, JANE HAYWOOD.....*Graduate Student in Biology*
Chapel Hill, N. C. A.B. University of North Carolina 1948.

ROSE, FLORENCE D.[26].....*Graduate Student in Social Economy*
Cynwyd, Pa. B.S. University of Pennsylvania 1930.

ROSE, RYDA DWARYS[27].....*Graduate Student in Biology*
Philadelphia, Pa. A.B. University of Pennsylvania 1950.

ROSENSTEIN, MILDRED MEYER[28].....*Graduate Student in Social Economy*
Philadelphia, Pa. A.B. Goucher College 1931; M.S.S. Bryn Mawr College 1951.

ROSSITER, CORLETTE.....*Graduate Student in History of Art*
Pasadena, Calif. A.B. Stanford University 1946 and M.A. 1948.

ROTHROCK, SALLY ELLEN....*Graduate Student in Social Economy, Semester II*
New Bloomfield, Pa. A.B. Pennsylvania State College 1948.

RUBSAM, ELEANOR TALCOTT.....*Graduate Student in English*
Princeton, N. J. A.B. Bryn Mawr College 1949 and M.A. 1951.

SCHEWE, ELENORE.....*Graduate Student in Biology*
Vandalia, Mo. B.Arch. Washington University 1941; M.A. Bryn Mawr College 1950.

SCHLUSSMAN, ANNE....*Graduate Student in Psychology, Semester I*
Brooklyn, N. Y. A.B. Brooklyn College 1945 and M.A. 1949.

SCHWOERER, LOIS KATHERINE GREEN[29].....*Graduate Student in History*
Drexel Hill, Pa. A.B. Smith College 1949.

SCOVIL, GEORGIANA W.....*Graduate Student in Physics*
Binghamton, N. Y. B.S. William Smith College 1950.

SELBY, DOROTHY COUNSELMAN[30]....*Graduate Student in Psychology*
Bryn Mawr, Pa. A.B. Bryn Mawr College 1941.

SHAFFER, ROBERT D.....*Graduate Student in Psychology, Semester I*
Bethlehem, Pa. B.S. Kent State University 1947.

SMITH, ROSA LEE SPENCER[31]...*Graduate Student in Social Economy*
Philadelphia, Pa. A.B. West Virginia State College 1943; M.S.S. Bryn Mawr College 1951.

[25] Mrs. Sidney C. Rabin.
[26] Mrs. S. Brandt Rose.
[27] Mrs. Isadore Rose.
[28] Mrs. George M. Rosenstein.
[29] Mrs. Frank Schwoerer, Jr.
[30] Mrs. Earl Selby.
[31] Mrs. Warren Edward Smith.

SMITHSON, EVELYN LORD[32] *Graduate Student in Classical Archæology*
Seattle, Wash. A.B. University of Washington 1944; M.A. Bryn Mawr College 1946.

SPANEL, JANE ARNOLD[33] *Graduate Student in Psychology*
Philadelphia, Pa. A.B. Vassar College 1948.

SPEARS, ELIZABETH CATESBY *Graduate Student in Philosophy*
Paris, Ky. A.B. Bryn Mawr College 1948; M.A. University of Kentucky 1951.

SPRAGUE, ROSAMOND KENT[34] *Graduate Student in Philosophy*
Bryn Mawr, Pa. A.B. Bryn Mawr College 1945 and M.A. 1948.

TOMKINS, ELIZABETH JANE[35] *Graduate Student in Psychology, Semester I*
Princeton, N. J. A.B. Radcliffe College 1946.

TRAVAGLINI, ELIZABETH C. *Graduate Student in Biology*
Bryn Mawr, Pa. A.B. University of Pennsylvania 1948; M.A. Bryn Mawr College 1951.

TUGEND, IRENE FRIDERICA[36] ... *Graduate Student in Social Economy*
Los Angeles, Calif. University of Berlin 1917-18; M.S.S. Bryn Mawr College 1951.

TYL, LUCY V. *Graduate Student in Psychology*
Roslyn, Pa. B.S. University of Pennsylvania 1946.

TYMOSZENKO, LARYSSA *Graduate Student in Social Economy*
Philadelphia, Pa. University of Innsbruck 1945-49.

UTZINGER, PAULINE ROSE *Graduate Student in Educational Psychology*
Rochester, Minn. A.B. Carleton College 1947.

VANDERSALL, MYRA *Graduate Student in English*
Cairo, Egypt. A.B. College of Wooster 1947.

WALLACE, JANE HOUSE *Graduate Student in Geology*
Fort Worth, Texas. A.B. Smith College 1947 and M.A. 1949.

WARAKSA, IRENE ROSALIA *Graduate Student in Geology*
New York, N. Y. A.B. Hunter College 1950.

WEBB, SARAH C.[37] *Graduate Student in Social Economy*
Hartsville, Pa. A.B. University of Delaware 1928; M.S.S. Bryn Mawr College 1951.

WHITE, JOAN FULTON[38] *Graduate Student in Biology*
Bryn Mawr, Pa. A.B. State University of Iowa 1945.

WINGFIELD, CHARLOTTE KELLY[39] *Graduate Student in Social Economy*
Philadelphia, Pa. A.B. Trinity College 1935; M.S.S. Bryn Mawr College 1951.

[32] Mrs. Evelyn Lord Smithson.
[33] Mrs. David Spanel.
[34] Mrs. Arthur Colby Sprague.
[35] Mrs. Silvan S. Tomkins.
[36] Mrs. Gustav Tugend.
[37] Mrs. Sarah Coffin Webb.
[38] Mrs. Robert F. White, Jr.
[39] Mrs. Charlotte Kelly Wingfield.

WITTE, ISABEL HOWLAND.....*Graduate Student in History*
Belmont, Mass. A.B. Swarthmore College 1947.

WOCKO, AMY JEAN.....*Graduate Student in German*
Wilmington, Del. A.B. University of Delaware 1950.

ZELITCH, FAY.....*Graduate Student in Social Economy*
Philadelphia, Pa. A.B. Pennsylvania State College 1949; M.S.S. Bryn Mawr College 1951.

ZUCKER, ESTHER RENNERT[40].....*Graduate Student in Physics*
Philadelphia, Pa. A.B. Brooklyn College 1949; M.A. Bryn Mawr College 1951.

Summary of Graduate Students

Travelling Fellows	3
Resident Fellows	11
Fellow by Courtesy	1
Foreign Scholars	9
Graduate Scholars	24
Graduate Students	102
Total	150

[40] Mrs. Charles Zucker.